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F O R E W O R D

I am pleased to authorize the publishing of the Sixth Annual Report of the Health Surveillance Registry. The report provides statistics on the occurrence, frequency and distribution of congenital anomalies, genetic disorders and chronic disabilities ascertained in the population of British Columbia up to the year-end, 1981. It also reviews the Registry's activities during 1981.

I also wish to extend my appreciation on behalf of the Ministry of Health to those persons involved with the agencies reporting to the Registry. Without their co-operation and conscientious reporting it would not be possible to produce a document of this scope.

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TABLE OF CONTENTS

		Page
Foreword		(i)
Section I	Review of Registry Activities in 1981	1
Table 1.	Number of cases reported, 1980, 81 according to registering agency	7
Table 2.	Number of cases ascertained from vital and hospital records, 1980 and 1981	7
Table 3.	Number of reports of new cases and follow-up reports on cases previously registered, shown as a percentage of all cases reported by health agencies and physicians during 1981	8
Section II	Distribution of Live Cases at Year-End, 1981	11
Table 4.	Number of live cases by age and sex at year-end 1981	13
Figure 1.	Graph showing age and sex-specific prevalence of recorded cases living in B.C. at year-end, 1981	14
Table 5.	Number of recorded live cases by Health Unit of residence and age-group at year-end, 1981	15
Table 6.	Annual incidence of British Columbia-born cases with congenital anomalies, 1966-1980	18
Section III	Disabilities Classified by Diagnostic Category	23
Table 7.	Number of disabilities recorded in persons living in British Columbia at year-end, 1981, by diagnostic classification, sex and age-group.	25
Figure 2.	Chart showing proportions of major categories of congenital anomalies in all congenital anomalies occurring in B.C. livebirths, for the period 1971 to 1980	69
Figure 3.	Graph showing incidence rates of the major categories of congenital anomalies recorded in B.C. livebirths, for the period 1971-1980	71
Table 8.	Numbers and rates of congenital anomalies of the Nervous System (ICD 740-742) per 10,000 total births in British Columbia by sex and birth year, 1971 to 1980	74
Table 9.	Numbers and rates per 10,000 births in British Columbia of congenital anomalies, by sex and birth year, 1970 - 1979	76
Bibliography		106

HEALTH SURVEILLANCE REGSITRY
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Report for 1981
(H.S.R. No. 6)

Section I

Review of Registry Operation and Activities in 1981.

Introduction

The Health Surveillance Registry produces information about the frequency and distribution of congenital and genetic anomalies, chronic and handicapping disabilities, and certain "at risk" populations in British Columbia (B.C.). It is a program of the provincial Division of Vital Statistics in the Ministry of Health, and it is located in Vancouver, British Columbia, Canada. The Registry was established in 1952, following a survey of "Crippling Diseases of Children" carried out in collaboration with Public Health Units. Although originally registrations were only of children, since 1961 disabilities occurring at any age have been recorded.

These disabilities are ascertained from a variety of sources. Registrations are received from provincial and metropolitan health departments, certain hospital and rehabilitation centres, and also a number of physicians and other health professionals. In 1964 the sources of ascertainment were extended when death, stillbirth and obstetrical records were included, and again in 1966 when hospital separation records for congenital and other selected conditions in the newborn and children under seven years of age became available. During the ensuing years, additional agencies have agreed to report cases with registrable disabilities, thus substantially increasing the amount of data on file. A list of registering agencies, with the number of cases recorded annually from each, is shown in Table 1, page 7.

Objectives

The objectives of the Health Surveillance Registry are:

To ascertain, record and classify handicapping conditions, congenital anomalies, and genetic defects in the population of British Columbia, so as to provide a reliable basis for estimating the prevalence, incidence and distribution of specific conditions.

To assist health services and physicians in the ascertainment, diagnosis, monitoring and management of such conditions.

To undertake statistical analyses of the data collected, and to assist medical and genetic research based on these data.

Confidentiality

Preservation of the confidentiality of Registry records, and the guarantee that the individual's right of privacy is protected, are of constant concern to Registry personnel. This protections is maintained by the location of the Registry in the Division of Vital Statistics, and also by an amendment to the Evidence Act of British Columbia (1967)*.

The established policy is that identifying information on individual cases is never disclosed, and the only way that contact can be made with a registered case is through the registering agency. There is no direct contact between the Registry and registered individuals.

Activities during 1981

A statistical report, Health Surveillance Registry Annual Report 1979-1980, H.S.R. No. 5, was produced and distributed to more than 400 health professionals or agencies. This report included, for the first time, annual numbers and rates since 1970 of the incidence of congenital anomalies in B.C. The data in H.S.R. No. 5 is coded under the rubrics of the Ninth Revision of the International Classification of Diseases (ICD), as is the data in this current report. This reflects a conversion from the Eighth Revision ICD codes used in earlier reports. Comments on the conversion process and on comparability of data between the Eighth and Ninth ICD revisions are noted in H.S.R. No. 5.

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* for complete wording of this statute see Lowry et al., bibliography #23.

As in previous years, the Registry supplied statistical data to many community and government agencies. More than sixty organizations required special Registry statistics for ascertaining certain disabled populations; five municipal groups asked for age and sex-specific statistics on the prevalence of handicapping conditions in particular geographic areas in order to plan sports and recreation programs, and four junior colleges required population data for their investigation of the educational needs of the disabled. In addition, indexes of cases reported by Health Units were produced and sent to each Health Unit office.

On the national and international scene, the Health Surveillance Registry provided information to Health and Welfare Canada, in regard to a national data base of the disabled; to the U.S. Environmental Protection Agency, on its proposal for a system to monitor pregnancy outcomes; to UNICEF in New York, and to administrators in Ontario, Newfoundland and Saskatchewan. Physicians from Australia also visited the Registry, carrying on discussions about birth defect reporting systems.

More than ten scientific papers utilizing Registry data were published or submitted for publication during 1981. Some of the topics addressed were the epidemiological aspects of pyloric stenosis in British Columbia (Bibliography #63), the recurrence and sib risks of non-specific X-linked mental retardation (#65, 66), and an epidemiologic study of congenital malformations of the anterior abdominal wall (#61).

Also during 1981 Registry staff gave talks to the Prince George Child Development Centre and the Health Unit, the North Vancouver Health Department, and to the Canadian Association of Medical and Biological Engineering, B.C. Branch. They also took part in a conference on Prevention of Mental Retardation, sponsored by the B.C. Association for the Mentally Retarded.

Association with Other Agencies

The administrator of the Registry is affiliated with University of British Columbia Department of Health Care and Epidemiology, the B.C. Cancer Control Agency, the Health Data Technology Advisory Committee of the B.C. Institute of Technology, and is a member of the International Epidemiological Assoc. and the Canadian Public Health Association.

Consultants

Consultants from the Division of Epidemiology in the Ministry of Health, and from the Department of Medical Genetics in the University of B.C. advise and assist the Registry in its operation and output. They also undertake much of the research in which Registry data is involved.

Further information regarding the Health Surveillance Registry, or about the data shown in this report, may be obtained by contacting the Registry at the address shown in the Foreword.

Demographic Information

The estimated population of the province of B.C. in 1981 was 2,713,700 with 1,349,000 males and 1,364,700 females.

The estimated 1981 provincial population by sex and age-groups is shown in Table 7, page 66. The number of births in each of the years 1967 to 1980 in the province is also shown, in Table 6, page 20.

TABLES 1 AND 2

NUMBER OF CASES REPORTED BY VARIOUS SOURCES OF ASCERTAINMENT

Tables 1 and 2 show the total number of case reports that were received by the Registry from all sources of ascertainment during 1980 and 1981. These tables indicate the variety of agencies from which cases are ascertained, as well as the magnitude of reporting from these agencies.

Acquisition of additional sources of reports is a priority, and the Registry actively pursues this goal. New reporting sources in 1981 were the Multiple Sclerosis Society of Victoria and Vancouver Island, the Cancer Control Agency of B.C., Holy Family Hospital, and the Hyperphenylalinemia Clinics in Vancouver, Victoria and Woodlands (New Westminister). The Hyperphenylalinemia Clinics support a risk register of PKU cases that will require subsequent follow-up.

The numbers in these tables represent cases reported to the Health Surveillance Registry during each year. They do not reflect or necessarily relate to numbers of cases occurring in each year. Furthermore, an individual case may be reported more than once by different agencies, allowing its existing information to be brought up to date, and new information to be added. Data on numbers of new cases and cases followed up through multiple sources of ascertainment are shown in Table 3.

TABLE 1. NUMBER OF CASES REPORTED*; 1980, 81

ACCORDING TO REGISTERING AGENCY

Registering Agency	Number of Cases 1980	1981
Vancouver Metropolitan Board of Health	46	188
Capital Regional District Community Health Services	16	60
Provincial Health Districts	701	1,128
Community Vocational Rehabilitation Services	968	999
Pacific Regional Medical Services (Federal Government)	198	228
Ministry of Human Resources Health Division	2,194	2,276
The Woodlands & Tranquille Schools (Facilities for mentally retarded)	140	101
Glendale Lodge	121	208
Vancouver General Hospital Health Centre for Children	49	157
Children's Hospital & Diagnostic Centre	2	3
G. F. Strong Rehabilitation Centre	548	344
Sunny Hill Hospital	56	10
Cystic Fibrosis Clinic	10	21
Canadian Arthritis & Rheumatism Society	356	331
Canadian National Institute for the Blind	893	1,092
Lower Fraser Valley Cerebral Palsy Association	121	49
Multiple Sclerosis Association and Clinic	25	450
Physicians (Department of Medical Genetics, U.B.C.)	1,450	354
Genetics Clinics Out of Province (B.C. Cases)	9	13
Physicians in Private Practice	164	5
Chromosome Labs	62	704
Kidney Dialysis Service	-	355
Total	8,129	9,076

TABLE 2. NUMBER OF CASES ASCERTAINED FROM VITAL & HOSPITAL RECORDS, 1980 & 1981

Sources of Ascertainment	Number of Cases	
Physician's Notice of Birth	741	932
B.C. Hospital Programs' Admission/Separation Form	6,129	5,767
Obstetrical Discharge Summary Form (1 Hospital)	64	114
Stillbirth Registrations	54	264
Death Registrations	62	120
Total	7,050	7,197
GRAND TOTAL	15,179	16,273

* Includes new reports of cases previously registered.

TABLE 3

NEW CASES AND FOLLOW-UP FROM MULTIPLE SOURCES OF ASCERTAINMENT, 1981

Table 3 shows the number of reports received from the main groups of reporting agencies; i.e., government agencies, hospital and rehabilitation centres, voluntary agencies, physicians, and vital and hospital records. These figures are divided into the number of reports of new cases and of follow-up reports received on cases already on the Registry's file. For example, 60 percent of cases reported by government agencies in 1981 were new cases, while the remaining 40 percent had been reported previously. The information on a single case contained in reports from several separate sources serves to add, up-date or correct the existing information, thus improving its accuracy and relevance.

The concept of building case histories through data from multiple reporting sources over an extended period of time is an integral part of the mechanism of the Health Surveillance Registry. More than one-third of the reports received by the Registry refer to existing cases on file. As the Registry has now been in existence for thirty years, the records may extend over the lifetimes of some patients, and even provide data concerning second generations.

TABLE 3. NUMBER OF REPORTS OF NEW CASES AND FOLLOW-UP REPORTS ON CASES PREVIOUSLY REGISTERED, SHOWN AS A PERCENTAGE OF ALL CASES REPORTED BY HEALTH AGENCIES AND PHYSICIANS DURING 1981

Reporting Agencies (Grouped)	Total Number of Reports Received	1981			
		New Cases		Follow-up Information	
	1981	No.	%	No.	%
Government Agencies; Health Districts, Community Vocational, Rehabilitation Services, Ministry of Human Resources, etc.	5,235	3,154	60	2,081	40
Hospitals, treatment and Rehabilitation centres.	2,294	1,342	59	952	41
Voluntary Agencies	1,176	655	56	521	44
Physicians	371	232	63	139	37
Vital and Hospital Records of congenital anomalies	7,197	3,915	54	3,282	46
All Agencies	16,273	9,298	57	6,975	43

SECTION II

DISTRIBUTION OF CASES AT YEAR-END, 1981

Table 4 - Number of live cases by age and sex

Figure 1 - Age and sex-specific prevalence of recorded cases living in B.C.

Table 5 - Number of recorded live cases by Health Unit of residence and age-group

Table 6 - Annual incidence of British Columbia-born cases with congenital anomalies, 1966-1980

TABLE 4 AND FIGURE 1

AGE AND SEX DISTRIBUTION OF LIVE CASES AT YEAR-END, 1981.

Table 4 shows the age-group and sex distribution of the number of living cases resident in British Columbia on the Registry records at the end of 1981. The bar graph in Figure 1 indicates the age-group and sex distribution of the same caseload, expressed as a prevalence rate per 1,000 B.C. population*.

These numbers and rates show the prevalence of cases recorded with birth or genetic defects or chronic handicapping disabilities in the B.C. population.

Of the 112,568 persons registered, 49,537 or 44 percent were under 20 years of age, and 63,031 or 56 percent were 20 or over.

The sex-specific numbers and rates shown for each age-group reflect numbers of cases ascertained in that age-group as well as aging of the annual cohorts of cases recorded since the inception of the Registry in 1952. In recent years, the number of cases ascertained annually has increased considerably. This is reflected in a cumulative increase in the prevalence rates, particularly in the younger age-groups, where improvement in reporting of congenital anomalies has resulted in a larger caseload. While ascertainment has also improved in the age-groups of 20-29 and over, the proportion of cases of disabilities ascertained in relation to the total population in those age-groups is still much lower than that for younger ages. Therefore, caution is advised when looking at total numbers of cases or of disabilities, as wide variations to the completeness of ascertainment may exist among recorded disabilities and between age-groups.

* Population estimates from Statistics Canada

Table 4. NUMBER OF LIVE CASES BY AGE AND SEX AT YEAR-END, 1981
(Excluding Persons Known to be Resident Outside of British Columbia)

Age Group	Male	Female	Total
0 - 4	7,571	5,389	12,960
5 - 9	7,542	5,125	12,667
10 - 14	7,740	5,584	13,324
15 - 19	6,059	4,527	10,586
Under 20	28,912	20,625	49,537
20 - 29	10,105	8,278	18,383
30 - 39	6,991	6,143	13,134
40 - 49	3,324	3,196	6,520
50 - 59	4,354	4,937	9,291
60 & Over	6,519	9,184	15,703
20 & Over	31,293	31,738	63,031
All Ages	60,205	52,363	112,568

Figure 1. AGE AND SEX-SPECIFIC PREVALENCE OF RECORDED CASES LIVING IN B.C. AT YEAR-END, 1981.

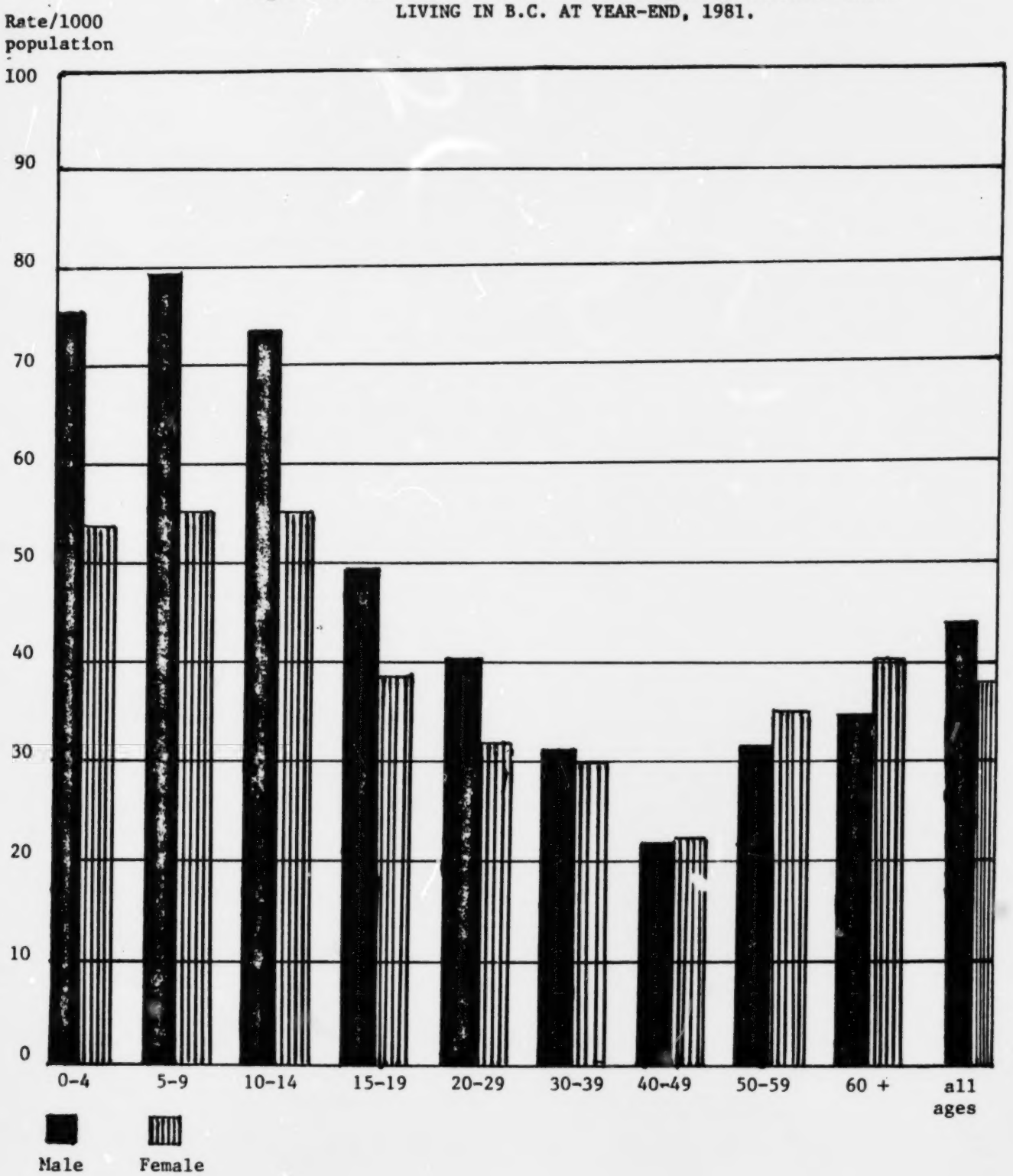

TABLE 5

DISTRIBUTION OF LIVE CASES BY HEALTH UNIT AT YEAR-END, 1981

Table 5 shows the numerical distribution of recorded cases with registrable disabilities living in British Columbia at the end of 1981, by Health Unit of residence and age. The number of cases shown for any Health Unit includes cases registered by the staff of that Health Unit as well as cases recorded through other sources of ascertainment.

Table 5. NUMBER OF RECORDED LIVE
OF RESIDENCE
AT YEAR-

Health Districts of Residence	0 - 4 Years	5 - 9 Years	10 - 14 Years	15 - 19 Years	20 - 29 Years	30 - 39 Years
East Kootenay	302	346	305	260	441	308
Selkirk	165	106	115	112	205	124
West Kootenay	213	183	205	172	308	232
North Okanagan	375	378	322	293	527	319
South Okanagan	665	482	495	341	667	488
South Central	550	612	547	504	761	393
Upper Fraser Valley	528	455	454	308	590	548
Central Fraser Valley	742	642	504	436	544	365
Boundary	1,225	1,294	1,197	841	1,186	663
Simon Fraser	689	735	795	576	897	682
Coast-Garibaldi	269	257	317	231	299	199
Central Vancouver Island	736	768	812	613	1,098	724
Upper Island	479	425	463	362	557	329
Cariboo	432	343	308	257	464	232
Skeena	525	520	508	392	584	401
Peace River	358	343	360	313	538	244
Northern Interior	625	625	570	348	626	394
Capital Regional District Community Health Service	834	909	921	763	1,284	931
Greater Vancouver Metropolitan Board of Health (Total)	(3,135)	(3,183)	(3,749)	(2,833)	(5,157)	(4,727)
Vancouver City	1,615	1,647	1,983	1,564	3,176	3,350
Burnaby	574	606	688	484	835	663
North Shore	500	494	594	417	674	433
Richmond	446	436	484	368	472	281
Non-allocated	14	13	14	7	14	9
Residence Unknown	99	48	363	624	1,636	822
TOTAL[1]	12,960	12,667	13,324	10,586	18,383	13,134

1. Total excludes persons reported to be resident outside of British Columbia.

CASES BY HEALTH DISTRICT
AND AGE GROUP
END, 1981

40 - 49	50 - 59	60	Total 19 Years & Under	Total 20 Years & Over	Total	Health Districts of Residence
163	248	389	1,213	1,549	2,762	East Kootenay
64	106	201	498	700	1,198	Selkirk
126	203	322	773	1,191	1,964	West Kootenay
213	313	477	1,368	1,849	3,217	North Okanagan
353	517	1,076	1,983	3,101	5,084	South Okanagan
251	371	459	2,213	2,235	4,448	South Central
247	352	629	1,745	2,366	4,111	Upper Fraser Valley
216	361	540	2,324	2,026	4,350	Central Fraser Valley
336	537	866	4,557	3,588	8,145	Boundary
291	425	709	2,795	3,004	5,799	Simon Fraser
102	132	214	1,074	946	2,020	Coast-Garibaldi
319	467	763	2,929	3,371	6,300	Central Vancouver Island
168	195	308	1,729	1,557	3,286	Upper Island
139	235	270	1,340	1,340	2,680	Cariboo
196	254	355	1,945	1,790	3,735	Skeena
103	137	156	1,374	1,178	2,552	Peace River
202	230	350	2,168	1,802	3,970	Northern Interior
457	692	1,460	3,427	4,824	8,251	Capital Regional District Community Health Service
(2,288)	(3,400)	(5,999)	(12,900)	(21,571)	(34,471)	Greater Vancouver Metropolitan Board of Health (Total)
1,657	2,506	4,249	6,809	14,938	21,747	Vancouver City
263	402	814	2,352	2,977	5,329	Burnaby
209	289	573	2,005	2,178	4,183	North Shore
159	203	363	1,734	1,478	3,212	Richmond
9	10	27	48	69	117	Non-allocated
277	106	133	1,134	2,974	4,108	Residence Unknown
6,520	9,291	15,703	49,537	63,031	112,568	TOTAL[1]

TABLE 6

ANNUAL INCIDENCE OF BRITISH COLUMBIA-BORN CASES WITH CONGENITAL ANOMALIES (WITHIN ICD-9 CHAPTER XIV, 740-759), 1966-1980

Table 6 shows the annual birth incidence in B.C. of children with congenital anomalies, for the years 1966 through 1980. The data is based on cases with one or more anomalies, ascertained to year-end, 1981. In this Table, congenital anomalies are limited to those shown in Chapter XIV of ICD-9, under codes 740-759.

In common with other data in this section, the numbers in Table 6 are counts of cases, rather than of diseases, disabilities or anomalies. (Table 9, page 76, shows the annual incidence of anomalies within ICD-9 Chapter XIV, ascertained for the period 1971-1980.) Table 6 is based on ascertainment among total births (live births and stillbirths*) and among live births only.

Cases with congenital anomalies are ascertained from the following documents:

Vital Statistics records:
Physician's Notice of Livebirth or Stillbirth
Death and Stillbirth Registration

Hospital Separation Forms for all hospital separations of children under age seven.

Reports from all other ascertainment sources where a congenital anomaly is shown.

These multiple sources of case reports, coupled with an extended ascertainment period, enable comprehensive coverage of the occurrence of birth defects to be attained. Confirmation of a British Columbia birth is obtained from birth registration records in the Division of Vital Statistics. The various sources of information on the occurrence of congenital anomalies, listed above, were acquired at intervals during the early development of the Registry, and have been consistent since 1966, when hospital separation forms became available. The data in this Table is shown from 1966 onward, as earlier data does not reflect the same degree or level of ascertainment. Also, due to the period of

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* 20 weeks and over gestation period.

time required for reports to reach the Registry and for the information they contain to be added to the file, statistics from the most recent year are not included in incidence tables, as this data is not yet complete.

For the period 1966 to 1980, the average annual rate among total births for both sexes combined was 47.3 cases per 1,000 or 4.73 percent of total births. The average annual rate for male births was 53.1 per 1,000, or about five percent of total male births, and for females was 41.2 per 1,000 or four percent of total female births.

The average rates were slightly lower (52.5 per 1,000 males and 40.1 per 1,000 females) among live births than total births, due to the relatively high rate (125.4/1,000) of stillborn infants recorded with congenital anomalies. Stillbirths comprised 1.05 percent of total births in B.C. during the 1966-1980 period; however, stillborn infants accounted for 2.79 percent of the total cases with congenital anomalies for the same period.

TABLE 6 NUMBER OF BIRTHS IN BRITISH
OF CASES WITH ONE OR MORE CON-
BY SEX AND BIRTH YEAR IN
AS ASCERTAINED TO

Year	Total Births (Live Births and Stillbirths)[2]								
	Number of Births			Number of Cases			Rate Per 1,000 Total Births		
	Male	Female	Total[3]	Male	Female	Total	Male	Female	Total
1966	16,859	16,052	32,911	776	551	1,327	46.0	34.3	40.3
1967	17,068	16,253	33,321	875	617	1,492	51.3	38.0	44.8
1968	17,436	16,684	34,120	900	689	1,589	51.6	41.3	46.6
1969	18,385	17,466	35,851	972	708	1,680	52.9	40.5	46.9
1970	19,216	18,052	37,268	1,041	719	1,760	54.2	39.8	47.2
1971	18,254	17,040	35,294	904	643	1,547	49.5	37.7	43.8
1972	17,844	17,075	34,919	952	691	1,643	53.4	40.5	47.1
1973	17,825	16,866	34,691	946	686	1,632	53.1	40.7	47.0
1974	18,424	17,390	35,814	977	676	1,653	53.0	38.9	46.2
1975	18,707	17,988	36,695	1,015	743	1,758	54.3	41.3	47.9
1976	18,738	17,471	36,209	1,051	744	1,795	56.1	42.6	49.6
1977	19,100	17,921	37,021	986	785	1,771	51.6	43.8	47.8
1978	19,249	18,313	37,562	1,063	795	1,858	55.2	43.4	49.5
1979	19,845	18,871	38,716	1,046	850	1,896	52.7	45.0	48.9
1980	20,594	19,650	40,248	1,225	939	2,164	59.5	47.8	53.8
1966 - 1980	277,544	263,092	540,640	14,729	10,836	25,565	53.1	41.2	47.3

1. All cases with one or more congenital anomalies in the ICD-9 code range 740 - 759.

2. Stillbirths of 20 weeks and over gestation.

3. Totals may include stillbirths with sex not stated. SOURCE: B.C. Div. of Vital Statistics.

COLUMBIA, AND NUMBER AND RATE
GENITAL ANOMALIES[1] PER 1,000 BIRTHS
THE PERIOD OF 1966 - 1980
YEAR-END, 1981

Live Births Only

Number of Births			Number of Cases			Rate Per 1,000 Live Births		
Male	Female	Total	Male	Female	Total	Male	Female	Total
16,625	15,877	32,502	758	536	1,294	45.6	33.8	39.8
16,831	16,068	32,899	857	584	1,441	50.9	36.3	43.8
17,223	16,464	33,687	879	663	1,542	51.0	40.3	45.8
18,127	17,256	35,383	949	682	1,631	52.4	39.5	46.1
19,018	17,843	36,861	1,020	678	1,698	53.6	38.0	46.1
18,003	16,849	34,852	886	618	1,504	49.2	36.7	43.2
17,660	16,903	34,563	940	675	1,615	53.2	39.9	46.7
17,640	16,712	34,352	922	663	1,585	52.3	39.7	46.1
18,228	17,222	35,450	947	647	1,594	52.0	37.6	45.0
18,492	17,789	36,281	980	713	1,693	53.0	40.1	46.7
18,541	17,307	35,848	1,031	710	1,741	55.6	41.0	48.6
18,909	17,782	36,691	960	762	1,722	50.8	42.9	46.9
19,082	18,149	37,231	1,042	769	1,811	54.6	42.4	48.6
19,711	18,707	38,418	1,029	821	1,850	52.2	43.9	48.2
20,437	19,510	39,947	1,209	921	2,130	59.2	47.2	53.3
274,527	260,438	534,965	14,409	10,442	24,851	52.5	40.1	46.5

S E C T I O N I I I

DISABILITIES CLASSIFIED BY

DIAGNOSTIC CATEGORY

Table 7 - Number of disabilities recorded in persons living in British Columbia at year-end, 1981, by diagnostic classification, sex and age-group.

Figure 2 - Proportion of the main categories of congenital anomalies in all congenital anomalies occurring in B.C. livebirths, for the period 1971 to 1980.

Figure 3 - Incidence rates for the main categories of congenital anomalies recorded in B.C. livebirths, for the period 1971-1980.

Table 8 - Numbers and Rates of Congenital Anomalies of the Nervous System (ICD 740-742) per 10,000 Total Births in British Columbia, by Sex and Birth Year, 1971 to 1980.

Table 9 - Numbers and Rates of Congenital Anomalies (ICD 740-759) per 10,000 Livebirths in British Columbia, by Sex and Birth Year, 1971 to 1980.

TABLE 7

PREVALENCE OF DISABILITIES AT YEAR-END, 1981

This table shows the number of disabilities by sex and age-group recorded in persons living in British Columbia on December 31, 1981. The disabilities are coded according to the International Classification of Diseases, Ninth Revision (ICD-9). The Registry, with the help of consultants, has established coding policies in order to provide accuracy and consistency in the use of ICD-9 codes. In some cases, it has been necessary to define special codes to identify conditions for which no code exists in ICD-9 or to adapt existing ICD-9 codes in order to uniquely specify a disease or disability. These "special codes" are noted by the use of footnotes in the table. The codes in the table are, for the most part, arranged in ascending order of code numbers. The Registry records from one to four disability codes for each individual, thus any given individual may be counted more than once in different parts of the table which show the numbers of various disabilities. This distinction between cases and codes is illustrated at the end of Table 7 where it can be seen that a total of 175,025 disabilities were recorded for 112,568 people at the end of 1981. This represents an average of 1.6 disabilities per person.

The estimated population of British Columbia is also shown at the end of Table 7 so that age and sex-specific prevalence rates may be calculated. However, it should be noted that considerable variation may occur in the ascertainment of specific disabilities, and the data should not be considered to be an absolute measure of prevalence. Many disabilities are reported through numerous agencies and, for these conditions, ascertainment is considered to be comprehensive. This is the case, for example, for blindness and for many childhood conditions, particularly those present at birth. On the other hand, many chronic and degenerative disabilities occurring in adults tend to be under-ascertained, and caution is advised when estimating frequency or distribution from such data. A further consideration is the length of time required for accurate case finding and diagnosis, which varies according to the disability. For example, the prevalence rates for mental retardation for preschool age children tend to be low because of minimal exposure to case-finding in the early years of life, while the rates in later years are more meaningful. It should also be noted that ascertainment of certain conditions, for example, cerebrovascular disease, and conditions coded in ICD Chapters XV and XVI, is very limited or began only recently. The numbers shown for these disorders are not intended to represent the total number of cases that exist in the province.

The data presented in this table is comparable to the data in the 1979-1980 Health Surveillance Registry Annual Report (HSR NO. 5). A few minor changes have been made in Chapter XVII, Injury and Poisoning; these are described below, under Notes. HSR Annual Reports prior to the 1979-1980 Annual Report used ICDA-8 and earlier ICD codes (rather than ICD-9 codes) and thus comparisons to data in reports prior to 1979 must take into account the many variations in disease codes that have occurred. In addition, if the data is reviewed over time, consideration must be given to changes and additions in ascertainment sources, procedures and policies, that have occurred from time to time since the Registry began in 1952.

Format of Table 7

Due to space limitations the data in Table 7 are shown for each sex and age-group up to fifty years and over, and in some instances groups rather than single ICD-9 coded conditions are given. However, statistics for age-groups up to sixty years and over and for each four-digit ICD-9 code, are available from the Registry on request. Data in this format are also generated for dead cases (showing age at death) and for living cases by each school district in British Columbia.

Notes on Certain Disabilities Shown in Table 7

The Registry, with the advice of consultants, has established certain rules and standards in order to provide accuracy and conformity in the use of ICD-9 codes. It has also found it necessary to define special codes to identify conditions for which no code exists in ICD-9, and to provide adaptations of certain codes in order to specify a disease or disability more accurately. Where any of these "special Registry codes" or adaptations occur, this is noted in the table by a footnote, and some of these are described in the information that follows.

Infantile Cerebral Palsy: The Registry criteria for coding infantile cerebral palsy (343.0-343.9) are as follows: 343.1 - hemiplegia when onset is from birth to 28 days of age; 343.4 - hemiplegia when onset is from 28 days to two years and causes, if stated, are other than birth incidents; 343.5 - a "special Registry code" used instead of 333.7 for athetoid or chorioathetoid cerebral palsy (excluding Vogt's disease, which remains 333.7) and 343.7 - a "special Registry code" used for conditions identified only as minimal cerebral dysfunctions, where no ICD code is appropriate.

Injury and Poisoning: A separate row for late effects of fracture of skull and intercranial injury (905.0 and 907.0) has been added; these codes were included in the late effects of other musculoskeletal and connective tissue injuries and other disabilities resulting from injury and poisoning categories in the previous report. In addition, disabilities which were previously coded to late effect of traumatic amputation (905.9) may now be coded to traumatic amputation of limb (885, 886, 887, 895, 896, or 897) so these categories have been combined in the present report.

Congenital Anomalies

In this table, data on congenital anomalies is shown as the number of living cases in B.C. who were born with each anomaly. In this context, lethal conditions such as anencephaly will not appear. Table 8, which shows the ascertained numbers and rates of central nervous system anomalies in B.C. livebirths and stillbirths, and Table 9, which shows the figures for all congenital anomalies (ICD 740-759) in livebirths for the years 1971 to 1981, should be consulted when incidence data is required.

Special rules apply to certain conditions in the congenital anomaly category when they are recorded by the Registry:

Microcephalus (742.1): only cases with a noted head circumference of three or more standard deviations below the norm are registered.

Pseudohermaphroditism: cases with anomalies in this category are coded to 752.7, and associated disabilities may also be coded to 752.4 and 752.8. Review and recoding of all recorded cases makes comparisons with earlier reports inadvisable.

Chromosomal anomalies: while in this and the 1979-1980 report the number of cases with anomalies such as trisomies 13 and 18 and deletion syndromes are low, the addition of the Vancouver General Hospital chromosome laboratory in 1980 as a reporting source will result in increased quality and quantity of data about these disorders.

If further information regarding the data shown in Table 7 is needed, the reader is invited to contact the Registry at the address shown in the Foreword.

TABLE 7. NUMBER OF
RECORDED IN PERSONS LIVING
BY DIAGNOSTIC CLASSIFICATION,

Diagnostic Category and I.C.D. Code Number	Age-Group							
	0 - 4		5 - 9		10 - 14		15 - 19	
	Male	Female	Male	Female	Male	Female	Male	Female
INFECTIOUS & PARASITIC DISEASES (001-139)	3	2	2	6	5	1	8	7
Late effects of acute poliomyelitis (138)	-	-	1	-	1	1	6	4
All other (within 001-139) . . .	3	2	1	6	4	-	2	3
NEOPLASMS[1] (140-239)	92	99	110	109	153	144	96	101
Malignant neoplasms (140-208) . .	17	14	29	26	16	11	23	13
Benign neoplasm of skin (216) . .	21	16	31	32	55	59	18	25
Hemangioma[2] & Lymphangioma (228)	29	35	42	35	57	57	11	46
Neurofibromatosis (237.7)	5	5	4	9	10	6	13	8
All other (within 210-239) . . .	20	29	4	7	15	11	13	9
ENDOCRINE, NUTRITIONAL & METABOLIC & IMMUNITY DISORDERS (240-279)	99	116	137	119	221	204	297	273
Goitre & thyrotoxicosis (240-242)	1	3	1	-	2	2	3	8
Congenital hypothyroidism (243) .	10	17	9	12	7	10	9	14
Acquired hypothyroidism (244) . .	1	1	-	1	3	5	2	10
Diabetes mellitus (adult onset)[3] (250.0)	1	1	1	1	-	-	-	3
Diabetes mellitus (juvenile onset)[3](250.1)	3	9	29	25	83	93	138	141
Other disorders of pancreatic internal secretion (251) . . .	11	4	7	3	3	-	4	2
Disorder of parathyroid gland (252)	-	-	1	-	-	-	-	1
Disorders of the pituitary gland & its hypothalamic control (253)	1	5	7	7	18	6	16	11
Disorders of adrenal glands (255)	8	4	3	3	3	5	4	6
Ovarian & testicular dysfunction (256,257)	-	4	3	1	4	-	7	2

1. Recorded only when onset is under 19 years of age, or when the cancer has a genetic (Mendelian) basis.
2. Site other than skin (hemangioma of skin: 757.3). Registry adaptation of code.
3. Registry adaptation of code.

DISABILITIES
IN BRITISH COLUMBIA AT YEAR-END, 1981
SEX AND AGE-GROUP

and Sex								Total		
20 - 29		30 - 39		40 - 49		50 - Over				
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Total
141	140	274	230	138	112	295	302	866	800	1,666
129	129	245	203	95	86	162	180	639	603	1,242
12	11	29	27	43	26	133	122	227	197	424
79	100	36	52	6	13	35	35	607	653	1,260
18	10	4	3	1	2	2	4	110	83	193
13	17	2	11	-	-	1	-	141	160	301
15	24	7	11	-	-	4	2	185	210	395
18	23	14	17	2	2	3	5	62	75	137
15	26	14	10	3	9	25	24	109	125	234
522	640	330	489	188	258	880	1,487	2,674	3,586	6,260
9	18	5	11	1	9	9	31	31	82	113
13	17	5	16	1	4	1	2	55	92	147
11	17	4	24	2	14	15	108	38	180	218
12	117	53	142	82	108	600	806	749	1,178	1,926
252	266	145	156	20	31	5	13	675	734	1,409
7	3	3	1	1	1	1	7	37	21	58
4	1	-	-	2	1	-	1	7	4	11
29	12	14	13	7	2	11	12	103	68	171
2	16	3	9	1	3	3	13	27	59	86
18	7	5	7	2	1	2	1	41	23	64

Diagnostic Category and I.C.D. Code Number	Age-Group							
	0 - 4		5 - 9		10 - 14		15 - 19	
	Male	Female	Male	Female	Male	Female	Male	Female
Dwarfism, NOS (259.4)	1	4	4	1	7	2	15	6
All other endocrine disorders (within 240-259)	2	4	1	4	1	9	6	7
Nutritional deficiencies (260-269)	5	5	1	2	-	1	1	-
Disorders of amino-acid transport & metabolism (270, excluding 270.1)	5	7	7	12	9	9	11	12
Phenylketonuria (270.1)	2	5	6	7	7	3	10	-
Disorders of carbohydrate transport & metabolism (271)	15	13	8	2	5	2	1	6
Disorders of lipid metabolism (272)	1	1	4	1	2	4	1	-
Cystic fibrosis (277.0)	17	14	27	24	19	31	24	15
Obesity (278.0)[1]	2	1	7	1	18	11	26	13
Agammaglobulinaemia, hypogammaglobulinaemia (279.0)	3	5	4	5	17	5	15	5
Other metabolic diseases & immunity disorders (within 270-279)	10	9	7	7	13	6	4	11
DISEASES OF BLOOD & BLOOD-FORMING ORGANS (280-289)	69	35	35	21	48	22	52	25
Deficiency anemias (280,281)	22	17	1	3	1	1	-	2
Hereditary haemolytic anemias (282)	15	7	11	9	8	12	11	6
Acquired haemolytic anemias (283)	3	1	-	1	-	-	-	2
Aplastic anemia (284)	2	-	-	1	-	2	1	2
Other & unspecified anemias (285)	5	1	-	-	1	2	-	4
Congenital factor VIII disorder (286.0)	4	-	12	-	15	-	21	1
Congenital factor IX disorder (286.1)	-	-	-	-	7	-	3	-
Congenital factor XI and other clotting factor deficiency (286.2, .3)	-	1	1	-	-	-	-	-
Von Willebrand's disease (286.4)	4	-	1	2	2	-	4	2
Other coagulation defects (286.5-9)	-	-	-	-	-	-	1	-
Purpura & other haemorrhagic conditions (287)	6	5	6	5	12	4	8	4

1. Recorded only if associated with other disabilities.

and Sex								Total		
20 - 29		30 - 39		40 - 49		50 - Over				
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Total
11	7	4	9	2	1	-	2	44	32	76
22	11	-	1	-	2	2	10	34	48	82
8	1	7	2	1	2	16	16	39	29	68
11	18	19	11	1	4	7	6	70	79	149
9	10	5	5	3	1	3	1	45	32	77
2	3	3	-	-	-	-	-	34	26	60
1	4	6	5	8	2	16	21	39	38	77
30	29	7	6	-	2	-	-	124	121	245
44	62	27	58	41	59	121	389	286	594	880
11	2	4	3	1	1	1	4	56	30	86
16	19	11	10	12	10	67	44	140	116	256
91	42	39	31	17	10	40	60	391	246	637
2	3	1	2	1	1	12	33	40	62	102
17	13	4	10	1	2	2	3	69	62	131
3	1	-	-	-	-	-	1	6	6	12
-	-	-	1	1	-	3	3	7	9	16
6	4	1	1	-	-	7	7	20	19	39
39	1	24	1	8	1	5	-	128	4	132
7	1	1	1	1	1	4	-	23	3	26
1	2	-	1	1	-	-	-	3	4	7
5	2	1	1	-	-	-	1	17	8	25
1	3	-	1	-	1	-	1	2	6	8
5	10	4	9	3	2	4	5	48	44	92

Diagnostic Category and I.C.D. Code Number	Age-Group							
	0 - 4		5 - 9		10 - 14		15 - 19	
	Male	Female	Male	Female	Male	Female	Male	Female
Diseases of white blood cells (288)	8	3	3	-	-	1	1	1
Other diseases of blood and blood-forming organs (289)	-	-	-	-	2	-	2	1
MENTAL DISORDERS (290-319)	169	157	536	323	1,468	787	1,873	981
Organic psychotic conditions (290-294)	-	-	-	-	1	-	-	-
Schizophrenic psychoses (295)	-	-	1	-	-	-	5	7
Affective psychoses, paranoid states, other non-organic psychoses (296,297,298)	-	-	-	-	3	1	2	1
Psychoses with origin specific to childhood (299)	1	-	7	3	19	6	26	12
Personality and miscellaneous disorders (300-307, excluding 307.0)	-	1	3	1	32	11	67	26
Stammering and stuttering (307.0)	-	-	3	1	11	6	13	2
Acute stress and adjustment reaction (308,309)	1	-	6	2	53	18	89	32
Specific non-psychotic mental disorders following organic brain damage (310)	-	-	1	1	5	-	8	3
Depressive disorder, NEC (311)	-	-	-	-	-	-	2	1
Disturbance of conduct NEC (312)	1	1	21	12	140	42	131	45
Disturbance of emotions specific to childhood & adolescence (313)	-	-	-	-	21	9	51	18
Hyperkinetc syndrome of childhood (314)	2	-	13	3	56	22	63	24
Specific delays in development (315)	17	5	191	112	638	286	578	210
Psychic factors associated with diseases classified elsewhere (316)	-	-	-	-	-	-	1	1

and Sex								Total		
20 - 29		30 - 39		40 - 49		50 - Ove.				
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Total
4	-	1	1	-	-	-	1	17	7	24
1	2	2	2	1	2	3	5	11	12	23
4,272	2,613	2,887	2,011	1,148	990	1,634	2,315	13,987	10,177	24,164
7	3	1	4	10	7	60	37	79	51	130
284	109	473	208	278	211	368	475	1,409	1,010	2,419
32	29	47	42	38	45	89	181	211	299	510
79	29	11	1	-	1	1	-	144	52	196
332	180	283	218	183	227	402	832	1,302	1,496	2,798
57	12	83	21	22	4	10	7	199	53	252
94	45	17	18	5	3	4	13	269	131	400
34	12	29	14	28	13	76	40	181	83	264
16	19	24	30	31	38	111	260	184	348	532
292	107	113	72	21	12	5	6	724	297	1,021
144	76	75	41	4	1	-	2	295	147	442
31	13	-	-	-	-	-	1	165	63	228
416	145	64	25	14	3	3	-	1,921	786	2,702
11	3	2	4	1	-	-	-	15	8	23

Diagnostic Category and I.C.D. Code Number	Age-Group							
	0 - 4		5 - 9		10 - 14		15 - 19	
	Male	Female	Male	Female	Male	Female	Male	Female
Mental Retardation (317-319) (Total)	(147)	(150)	(290)	(188)	(489)	(386)	(837)	(599)
Borderline (317.1)[1]	1	1	15	9	74	58	190	115
Mild (317.2)[1]	1	2	19	20	93	61	161	119
Moderate (318.0)	-	3	25	9	60	48	140	102
Severe (318.1)	7	6	22	12	47	26	85	56
Profound (318.2)	1	2	8	3	36	40	70	48
Unspecified (319)	137	136	201	135	179	153	191	159
DISEASES OF THE NERVOUS SYSTEM & SENSE ORGANS (320-389)	756	652	1,855	1,503	2,527	2,181	2,674	2,191
THE NERVOUS SYSTEM (320-359)	297	221	513	395	681	561	1,012	801
Inflammatory diseases of the central nervous system (320-326)	6	2	7	6	2	2	11	8
Cerebral degenerations (330,331, excluding 331.3, .4)	4	3	5	4	6	2	7	2
Acquired hydrocephalus (331.3,.4)	5	4	10	6	9	10	12	9
Parkinson's disease (332)	-	-	-	-	-	-	-	-
Other extra pyramidal disease & abnormal movement disorders[2] (333.0-.9, excluding 333.4)	-	2	-	-	-	-	3	3
Huntington's chorea (333.4)	1	-	-	-	-	-	-	1
Spinocerebellar disease (334)	1	2	2	4	4	6	7	2
Anterior horn cell disease & other diseases of spinal cord (335,336)	3	-	4	4	-	3	7	7
Disorders of the autonomic nervous system (337)	2	2	-	-	1	-	1	-
Multiple sclerosis (340)	-	-	-	-	-	1	2	5
Other demyelinating diseases of CNS (341)	-	-	-	-	-	-	-	1

1. Special Registry Code.

2. 333.7 includes Vogt's disease or double athetosis, excludes athetoid cerebral palsy (special Registry code 345.5).

and Sex								Total		
20 - 29		30 - 39		40 - 49		50 - Over				
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Total
(2,442)	(1,831)	(1,666)	(1,313)	(514)	(425)	(504)	(461)	(6,889)	(5,353)	(12,242)
737	501	623	384	98	88	113	81	1,851	1,237	3,088
540	401	348	333	126	95	80	103	1,368	1,134	2,502
333	252	184	142	91	61	78	66	911	683	1,594
181	132	92	96	52	46	71	53	557	427	984
150	125	91	87	31	28	27	22	414	355	769
501	420	328	271	116	107	135	136	1,788	1,517	3,305
5,043	4,119	3,388	3,040	1,606	1,316	7,274	8,367	25,123	23,369	48,492
2,324	1,859	1,554	1,400	925	768	2,335	2,164	9,641	8,169	17,810
21	19	19	14	16	12	27	15	109	78	187
12	4	3	3	8	2	30	15	75	35	110
24	12	27	10	6	3	13	6	106	60	166
-	1	-	1	4	2	115	103	119	107	226
9	14	5	6	7	8	13	16	37	49	86
8	5	6	9	7	5	15	36	37	56	93
9	20	10	18	11	12	34	26	78	90	168
12	6	12	7	11	7	45	37	94	71	165
1	1	-	-	4	3	9	6	18	12	30
32	72	80	160	97	183	229	508	440	329	1,369
-	-	2	2	1	2	3	2	6	7	13

Diagnostic Category and I.C.D. Code Number	Age-Group							
	0 - 4		5 - 9		10 - 14		15 - 19	
	Male	Female	Male	Female	Male	Female	Male	Female
Infantile cerebral palsy (343)[1] (total, excluding 343.7)[2] . . .	(79)	(43)	(148)	(132)	(179)	(171)	(219)	(208)
Congenital diplegic, hemiplegic, quadriplegic, monoplegic, infantile cerebral palsy (343.0,.1,.2,.3) . . .	32	20	70	69	95	95	115	116
Infantile hemiplegia (post-natal) 343.4)	9	2	6	11	14	12	19	21
Athetoid or chorioathetoid infantile cerebral palsy (343.5)[2]	-	1	3	5	4	2	9	10
Other & unspecified infantile cerebral palsy (343.8,.9) .	38	20	69	47	66	62	76	61
Minimal cerebral dysfunction (343.7)[2]	3	1	13	7	64	27	131	44
Other paralytic syndromes (342, 344) - (Total)	(24)	(25)	(38)	(29)	(51)	(48)	(86)	(67)
Hemiplegia - (342)	9	5	16	10	25	29	29	31
Quadriplegia - (344.0)	1	4	3	2	14	8	23	9
Paraplegia (344.1)	5	4	10	6	8	7	15	15
Other & unspecified paralytic syndromes (344.2- .9)	9	12	9	11	4	4	9	12
Epilepsy (345.0- .9) (total) . .	(124)	(107)	(242)	(176)	(308)	(258)	(452)	(403)
Epilepsy, generalized non-convulsive (345.0)	3	2	21	15	35	30	42	63
Epilepsy, generalized convulsive (345.1)	9	8	30	21	47	49	90	80
Epilepsy, combination of 2 types (345.7)[2]	1	-	6	7	13	14	37	13
Epilepsy, other & unspecified (345.2- .9, excluding .7) . .	111	97	185	133	213	165	283	247
Other disorders of the central nervous system (346-349) . . .	6	4	4	5	12	10	22	13
Charcot-Marie Tooth Disease (356.1)	-	2	-	1	1	2	3	2
Guillain-Barré syndrome (357.0).	-	1	-	-	2	-	-	-
Myoneural disorders (358) . . .	16	14	14	12	8	8	6	4

1. See notes, page 26

2. Special Registry codes.

and Sex								Total		
20 - 29		30 - 39		40 - 49		50 - Over				
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Total
(455)	(373)	(253)	(218)	(71)	(73)	(60)	(64)	(1,464)	(1,282)	(2,746)
213	190	80	77	30	29	26	21	661	617	1,278
37	29	24	21	9	7	4	5	122	108	230
55	40	43	32	12	5	4	15	130	110	240
150	114	106	88	20	32	26	23	551	447	998
118	40	16	2	1	3	4	1	350	125	475
(481)	(226)	(468)	(254)	(338)	(148)	(1,123)	(735)	(2,611)	(1,532)	(4,143)
153	91	145	120	107	76	662	508	1,156	870	2,026
121	40	122	44	71	12	134	54	491	173	664
132	58	142	51	111	36	214	100	637	277	914
75	37	59	39	49	24	113	73	327	212	539
(961)	(963)	(516)	(589)	(254)	(239)	(358)	(326)	(3,215)	(3,061)	(6,276)
118	138	53	66	4	11	5	2	281	327	608
159	141	64	90	34	29	35	40	468	458	926
55	46	12	29	3	4	3	7	130	120	250
629	638	387	404	213	195	315	277	2,336	2,156	4,492
60	31	40	22	17	13	42	34	203	132	335
9	4	6	12	2	2	12	10	33	35	68
3	5	8	8	7	6	13	10	33	30	63
10	16	8	9	2	3	4	9	68	75	143

Diagnostic Category and I.C.D. Code Number	Age-Group							
	0 - 4		5 - 9		10 - 14		15 - 19	
	Male	Female	Male	Female	Male	Female	Male	Female
Hereditary muscular dystrophies (359.0, .1)	2	1	14	1	21	3	30	10
Other myopathies (359.2- .9)	3	-	3	2	6	2	5	4
Other disorders of the peripheral nervous system (within 350-359)	18	8	9	6	7	8	8	8
THE EYE & ADNEXA (360-379)	430	408	1,199	982	1,541	1,384	1,312	1,103
Disorders of the globe (360)	-	1	2	-	4	-	3	2
Retinal detachments & defects (361)	-	-	7	1	5	2	8	6
Diabetic retinopathy (362.0)	-	-	-	-	-	-	-	-
Retrolental fibroplasia (362.2)	22	16	13	6	5	6	6	4
Degeneration of macula (362.5)	-	-	-	1	5	1	3	4
Hereditary retinal dystrophies (362.7)[1]	1	2	6	2	9	3	10	5
Other & unspecified retinal disorders (362.1, .3, .4, .6, .8, .9)	1	4	6	2	1	1	3	1
Disorders of choroid, iris & ciliary body (363,364)	1	-	1	1	4	3	3	3
Glaucoma (365)	-	1	1	1	3	3	-	3
Cataract (excludes congenital cataract, 743.3) (366)	1	-	3	-	8	5	11	8
Disorders of refraction & accommodation (367)	2	7	17	14	41	12	41	30
Visual disturbances (368)	2	3	18	9	34	22	55	25
Blindness, both eyes (369.0)	44	37	64	57	85	60	67	64
Blindness, one eye, low vision other eye (369.1)	-	-	-	2	1	1	3	1
Low vision & unqualified visual loss, both eyes (369.2, .3)	1	3	4	2	5	3	3	5
Blindness, one eye (369.6)	6	6	21	8	35	16	58	32
Low vision & unqualified visual loss, one eye (369.7, .8)	3	1	2	2	7	6	7	5
Unspecified visual loss (369.9)	2	1	10	8	5	11	23	11
Keratitis (370)	-	1	3	-	-	1	1	1

1. Includes retinitis pigmentosa.

and Sex								Total		
20 - 29		30 - 39		40 - 49		50 - Over				
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Total
41	14	27	17	14	6	17	21	166	73	239
10	16	6	10	9	3	18	10	60	47	107
48	17	43	29	38	33	149	174	320	283	603
2,017	1,638	1,379	1,244	511	390	4,481	5,752	12,870	12,901	25,771
15	12	16	8	14	9	111	92	165	124	289
15	7	13	7	5	10	64	75	117	108	225
11	11	27	23	20	13	87	173	145	220	365
32	33	23	35	-	-	1	-	102	100	202
6	2	8	12	5	10	688	1,086	715	1,116	1,831
21	35	44	40	22	18	83	95	196	200	396
5	3	7	8	6	6	146	159	175	184	359
16	9	14	13	13	14	96	139	148	182	330
6	6	6	7	8	7	286	333	310	361	671
25	17	37	19	18	13	321	500	424	562	986
127	83	50	82	19	15	89	132	386	375	761
147	64	66	44	17	19	63	71	402	257	659
168	139	188	184	135	106	1,699	2,258	2,450	2,905	5,355
9	6	10	6	8	-	26	11	57	27	84
40	35	51	43	15	9	26	26	145	126	271
165	105	127	78	54	23	158	74	624	342	966
34	13	20	12	5	6	26	12	104	57	161
45	31	39	33	22	15	65	68	211	178	389
6	1	2	2	3	2	25	30	40	38	78

Diagnostic Category and I.C.D. Code Number	Age-Group							
	0 - 4		5 - 9		10 - 14		15 - 19	
	Male	Female	Male	Female	Male	Female	Male	Female
Corneal opacity & other disorders (371)	1	2	1	3	1	1	1	5
Disorders of conjunctiva, eyelids, lacrimal system & orbit (372-376)	11	3	4	2	4	2	2	2
Disorders of optic nerve & visual pathways (377)	1	4	15	11	12	11	16	18
Strabismus & other binocular movement disorders (378)	311	301	970	829	1,208	1,182	932	838
Nystagmus (379.5)[1]	20	15	30	18	56	30	53	27
Other disorders of eye (379.0-.9 excluding 379.5)	-	-	1	2	3	2	4	2
THE EAR & MASTOID PROCESS (380-389)	29	23	143	126	305	236	350	287
Disorders of ear (380-388)	2	1	3	3	3	4	7	5
Deafness (389) (total number)	(27)	(22)	(140)	(123)	(302)	(232)	(343)	(282)
Conductive deafness (389.0)	5	1	19	13	52	38	26	19
Sensorineural deafness (389.1)	14	13	57	65	125	106	120	100
Mixed conductive & sensorineural deafness (389.2)	-	1	3	-	3	1	8	3
Deafness, one ear only (389.8)[2]	2	1	9	8	10	11	21	19
Other & unspecified deafness (389.7, .9)	6	6	52	37	112	76	168	141
DISEASES OF THE CIRCULATORY SYSTEM (390-459)	24	13	21	19	37	26	40	36
Acute rheumatic fever (390-392)	-	-	2	-	2	2	3	-
Chronic rheumatic heart disease (393-398)	-	-	2	3	5	6	12	15
Hypertensive diseases of heart & kidney (401-405)	-	-	2	-	2	1	3	1
Ischemic heart disease (410-414)	-	-	-	-	-	1	-	-
Diseases of pulmonary circulation (415-417)	2	1	1	3	1	2	1	-

1. Includes congenital nystagmus.

2. Registry adaptation of code.

and Sex								Total		
20 - 29		30 - 39		40 - 49		50 - Over				
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Total
15	4	13	7	10	5	86	116	128	143	271
9	6	6	8	1	5	14	18	51	46	97
54	37	40	18	36	15	156	100	330	214	544
938	897	509	513	56	51	31	26	4,954	4,638	9,592
102	78	57	37	13	13	28	34	359	252	611
5	5	6	6	6	6	108	122	133	145	278
702	622	455	396	170	158	458	451	2,612	2,299	4,911
14	12	9	7	5	8	41	46	84	86	170
(688)	(610)	(446)	(389)	(165)	(150)	(417)	(405)	(2,528)	(2,213)	(4,711)
21	17	8	9	4	1	9	4	144	102	246
141	139	35	35	9	18	93	105	594	581	1,175
6	8	2	3	3	-	10	13	35	29	64
59	45	40	36	13	6	43	31	197	157	354
461	401	361	306	136	125	262	252	1,558	1,344	2,902
164	153	253	253	382	256	3,206	2,621	4,127	3,377	7,504
4	4	3	4	-	-	3	2	17	12	29
94	81	138	147	42	47	52	108	345	407	752
5	6	11	11	33	29	314	389	370	437	807
2	-	17	4	139	46	1,199	733	1,357	784	2,141
2	2	2	1	4	7	23	21	36	37	73

Diagnostic Category and I.C.D. Code Number	Age-Group							
	0 - 4		5 - 9		10 - 14		15 - 19	
	Male	Female	Male	Female	Male	Female	Male	Female
Other forms of heart disease (420-429)	11	7	12	8	19	7	13	11
Cerebrovascular disease (430-437)	4	3	1	2	3	3	3	1
Late effects of cerebrovascular disease (438)	1	-	1	1	2	3	2	4
Disease of arteries, veins & lymphatics, & other diseases of circulatory system (440-459)	6	2	-	2	3	1	3	4
DISEASES OF THE RESPIRATORY SYSTEM (460-519)	15	4	20	17	41	10	51	30
Bronchitis (490,491)	2	-	1	-	1	-	2	2
Emphysema (492)	-	-	-	-	-	-	1	-
Asthma (chronic, severe) (493) .	9	2	17	10	37	7	41	25
Bronchiectasis (494)	-	-	-	-	-	-	2	2
Other chronic obstructive pulmonary disease (495,496) . .	-	-	-	-	-	-	-	-
Pneumoconioses (500-505)	-	-	-	-	-	-	-	-
Other diseases of respiratory system (within 460-519)	4	2	2	7	3	3	5	1
DISEASES OF THE DIGESTIVE SYSTEM (520-579)	1,635	488	1,355	356	562	137	221	127
Diseases of oral cavity, salivary glands & jaws (520-529, excluding 524.0)	18	18	8	5	5	6	10	7
Major anomalies of jaw size (524.0)	37	19	33	18	20	15	15	12
Diseases of oesophagus, stomach & duodenum (530-537)	17	18	9	13	4	5	3	-
Inguinal hernia (550)	1,319	226	1,139	146	411	16	95	14
Umbilical hernia (excluding omphalocele)[1] (553.1)	184	165	141	152	63	49	58	66

1. Omphalocele is coded to 756.7 (special adaptation of ICD code)

and Sex								Total		
20 - 29		30 - 39		40 - 49		50 - Over				
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Total
21	17	34	22	49	31	327	337	486	440	926
16	15	18	22	25	32	164	154	234	232	466
6	11	15	27	55	32	636	460	718	538	1,256
14	16	15	17	35	32	488	417	564	491	1,055
210	122	222	94	151	134	1,177	774	1,887	1,185	3,072
10	5	9	5	28	32	361	228	414	272	686
8	4	5	2	23	11	299	112	336	129	465
177	100	183	74	58	44	148	249	670	511	1,181
8	7	11	4	6	17	28	31	55	61	116
-	1	4	-	21	17	266	123	291	141	432
-	-	-	-	2	-	7	-	9	-	9
7	5	10	9	13	13	68	31	112	71	183
123	91	73	73	76	76	278	300	4,323	1,648	5,971
21	15	17	20	5	13	5	2	89	86	175
17	11	3	6	-	-	-	1	125	82	207
4	2	-	2	7	4	19	25	63	70	133
5	2	10	4	5	1	4	2	2,988	411	3,399
2	2	1	-	-	1	3	3	452	438	890

Diagnostic Category and I.C.D. Code Number	Age-Group							
	0 - 4		5 - 9		10 - 14		15 - 19	
	Male	Female	Male	Female	Male	Female	Male	Female
Other hernia of abdominal cavity (551-553, excluding umbilical hernia)	35	24	6	12	11	9	4	4
Noninfective enteritis & colitis (555-558)	-	-	-	1	3	4	7	5
Chronic liver disease & cirrhosis (571)	4	7	2	-	3	2	1	1
Coeliac Disease (579.0)	2	2	13	7	34	23	24	17
Other diseases of digestive system (within 560-579)	19	9	4	2	8	7	4	1
DISEASES OF THE GENITOURINARY SYSTEM (580-629)	62	37	72	44	64	48	55	41
Nephritis & nephrotic syndrome (580-583)	3	2	8	5	7	9	9	12
Renal failure (584-586)	6	5	4	2	1	1	-	7
Infections of kidney (590)	-	3	2	2	-	10	5	7
Other disorders of genitourinary system (within 587-629)	53	27	58	35	56	28	41	15
DISEASES OF THE SKIN & SUBCUTANEOUS TISSUE (680-709) . .	25	30	13	12	18	11	32	33
Dermatitis, eczema & related conditions (691,692)	5	3	8	7	11	4	17	17
Lupus erythematosus (discoid) (695.4)[1]	-	-	-	-	-	-	-	1
Other diseases of skin & subcutaneous tissue (within 680-709)	20	27	5	5	7	7	15	15

1. See also systemic lupus erythematosus (710.0).

and Sex								Total		
20 - 29		30 - 39		40 - 49		50 - Over				
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Total
6	1	4	-	4	3	16	36	86	89	175
26	20	15	15	10	10	11	22	72	77	149
6	6	7	7	25	21	137	92	185	136	321
29	29	8	8	1	1	3	4	114	91	205
7	3	8	11	19	22	80	113	149	168	317
118	105	74	68	49	53	130	166	624	562	1,186
63	52	48	35	33	21	65	46	236	182	418
12	6	9	7	10	10	27	22	69	60	129
14	21	3	9	2	10	6	28	32	90	122
29	26	14	17	4	12	32	70	287	230	517
103	120	50	65	15	24	40	53	296	348	644
68	72	26	28	-	8	4	15	139	154	293
-	7	1	2	-	4	2	10	3	24	27
35	41	23	35	15	12	34	28	154	170	324

Diagnostic Category and I.C.D. Code Number	Age-Group							
	0 - 4		5 - 9		10 - 14		15 - 19	
	Male	Female	Male	Female	Male	Female	Male	Female
DISEASES OF THE MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE (710-739)	51	50	89	87	146	141	280	279
Diffuse diseases of connective tissue (710, excluding 710.0). .	-	-	-	-	-	1	1	3
Systemic lupus erythematosus (710.0)[1]	-	-	-	-	-	-	1	1
Arthropathy associated with infections (711)	1	2	2	1	2	1	2	2
Rheumatoid arthritis & other arthropathies (712-714, excluding 714.3)	-	1	-	1	3	5	8	8
Juvenile chronic polyarthritis (714.3)[2]	6	13	26	44	52	92	56	110
Osteoarthritis (715)	-	-	2	1	-	-	3	3
Other & unspecified arthropathies (716)	-	-	1	2	2	1	2	2
Derangement & other disorders of joints (717-719)	-	-	5	3	1	-	8	4
Ankylosing spondylitis (720) . . .	2	-	1	1	2	-	6	2
Spondylosis & allied disorders (721)	-	-	1	-	-	-	1	1
Other disorders of back (722-724).	-	-	1	1	-	-	2	2
Rheumatism, excluding the back (includes disorders of joints, muscles, ligaments & fascia) (725-729)	33	24	16	15	11	9	11	12
Osteomyelitis, periostitis & other infections involving bone (730)	2	4	2	1	1	3	4	4
Osteochondropathies (732)	2	-	16	3	47	14	123	25
Acquired deformity of other parts of limbs (including surgical amputations) (736.8)	1	3	4	5	6	6	12	7
Other musculoskeletal deformities (731-739, excluding 732 & 736.8)	5	3	12	9	18	10	40	92

1. See also 695.4.

2. Onset prior to age 16.

Note: ICD Chapter XI, Complications of Pregnancy, Childbirth and the Puerperium (630-676) is not included. No cases in this chapter are recorded.

and Sex								Total		
20 - 29		30 - 39		40 - 49		50 - Over				
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Total
788	826	882	937	927	1,149	4,625	7,856	7,788	11,325	19,113
7	4	6	9	2	12	16	28	32	57	89
1	22	2	12	2	9	2	16	8	60	68
6	3	12	2	4	2	10	5	39	18	57
65	170	137	429	212	643	1,301	3,619	1,726	4,876	6,602
87	162	30	41	3	13	2	1	262	476	738
10	13	25	24	69	62	637	1,222	746	1,325	2,071
21	16	18	19	41	55	337	490	422	585	1,007
31	26	37	27	38	25	88	109	208	194	402
61	13	149	44	155	40	225	88	601	188	789
3	3	10	20	35	34	489	646	539	704	1,243
28	4	68	37	154	130	743	827	996	1,011	2,007
31	24	50	36	40	32	192	273	384	425	809
28	15	28	19	11	5	41	17	117	68	185
225	67	124	36	28	3	9	8	574	156	730
41	19	49	22	46	20	225	122	384	204	588
147	252	136	160	87	64	308	385	753	975	1,728

Diagnostic Category and I.C.D. Code Number	Age-Group							
	0 - 4		5 - 9		10 - 14		15 - 19	
	Male	Female	Male	Female	Male	Female	Male	Female
CONGENITAL ANOMALIES (740-759)[1] .	5,845	4,517	5,624	3,906	5,136	3,535	2,992	2,252
Congenital Anomalies of the Nervous System (740-742) . . .	196	171	187	153	154	122	132	114
Spina bifida (741)	36	42	54	48	36	34	34	34
Encephalocele (742.0)	10	8	4	10	2	3	1	5
Microcephalus (742.1)[2]	21	28	30	26	19	26	19	31
Reduction deformities of brain (742.2)	3	6	5	4	1	7	12	4
Congenital hydrocephalus (742.3) .	90	66	63	40	66	32	48	30
Other & unspecified congenital anomalies of brain, spinal cord & nervous system (742.4-.9) . .	36	21	31	25	30	20	18	10
Congenital Anomalies of the Eye (743)	115	101	123	122	141	111	123	102
Anophthalmos & microphthalmus (743.0, .1)	12	12	12	8	9	5	11	9
Buphthalmos (743.2)	14	4	11	9	10	8	6	4
Congenital cataract (743.3) . . .	20	19	26	40	47	42	42	43
Coloboma & other anomalies of anterior segments (743.4) . . .	7	11	6	11	7	9	6	8
Other & unspecified anomalies of eye (743.5-.9)	62	55	68	54	68	47	58	38
Congenital Anomalies of the Ear, Face & Neck (744)	214	183	166	154	165	160	80	62
Anomalies of ear causing impairment of hearing (744.0)	14	9	18	10	12	13	14	12
Accessory auricle (744.1)	104	87	53	64	72	65	24	14

1. See notes, page 27.

2. See notes, page 27.

and Sex								Total		
20 - 29		30 - 39		40 - 49		50 - Over				
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Total
3,306	2,925	1,166	1,135	269	269	227	333	24,565	18,872	43,437
166	147	45	45	21	3	9	9	910	764	1,674
57	63	25	31	14	2	3	4	259	258	517
4	-	1	-	-	-	-	-	22	26	48
31	27	7	7	1	-	2	2	130	147	277
10	6	2	3	-	-	-	-	33	30	63
44	38	7	1	5	-	1	2	324	209	533
20	13	3	3	1	1	3	1	142	94	236
186	162	77	93	21	19	36	43	822	753	1,575
11	12	2	4	2	-	5	2	64	52	116
14	11	10	8	3	1	3	3	71	48	119
89	84	35	55	8	15	18	23	285	321	606
11	13	11	10	-	1	8	8	56	71	127
61	42	19	16	8	2	2	7	346	261	607
65	41	21	18	7	2	3	1	721	621	1,342
20	11	10	9	3	1	-	-	91	65	156
-	2	-	-	-	-	-	-	253	232	485

Diagnostic Category and I.C.D. Code Number	Age-Group							
	0 - 4		5 - 9		10 - 14		15 - 19	
	Male	Female	Male	Female	Male	Female	Male	Female
Other & unspecified anomalies of ear (744.2, .3)	62	53	49	35	32	27	28	18
Branchial cleft, cyst or fistula; per-auricular sinus (744.4) . .	27	21	37	38	45	51	9	13
Other & unspecified anomalies of face & neck (744.5, .8, .9) . .	7	13	9	7	4	4	5	5
Congenital Anomalies of Heart & Circulatory System (745-747) . . .	795	758	771	718	651	583	437	420
Common truncus (745.0)	3	3	1	3	2	-	4	3
Transposition of great vessels (745.1)	33	17	15	9	12	2	9	5
Tetralogy of Fallot (745.2) . . .	33	22	39	22	21	15	21	24
Common ventricle (745.3)	7	2	3	4	1	-	1	1
Ventricular septal defect (745.4).	173	161	198	206	172	181	103	125
Ostium secundum type atrial septial defect (745.5)	28	41	74	98	75	67	63	68
Other & unspecified defects of septal closure (745.6-.9) . . .	18	13	12	6	7	18	6	4
Anomalies of pulmonary valve (746.0)	20	22	32	33	33	26	22	19
Tricuspid atresia & stenosis, congenital (746.1)	5	7	4	3	4	1	5	2
Ebstein's anomaly (746.2)	1	2	1	1	2	1	1	-
Congenital stenosis & insufficiency of aortic valve (746.3, .4)	19	10	30	6	30	12	30	11
Congenital mitral stenosis & insufficiency (746.5, .6) . . .	3	2	3	3	4	5	6	1
Hypoplastic left heart syndrome (746.7)	4	4	-	1	-	1	-	-
Other and unspecified anomalies of heart (746.8-.9)	100	88	104	87	115	104	61	48
Patent ductus arteriosus (747.0) .	198	208	130	136	65	68	37	66
Coarctation of aorta (747.1) . . .	25	23	27	13	28	14	22	13
Other anomalies of aorta (747.2) .	10	5	14	9	8	5	4	5

and Sex								Total		
20 - 29		30 - 39		40 - 49		50 - Over				
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Total
30	18	10	7	3	-	1	-	215	158	373
5	7	-	1	-	1	1	-	124	132	256
10	3	1	1	1	-	1	1	38	34	72
707	732	285	306	38	55	12	33	3,696	3,605	7,301
-	5	2	1	-	-	-	-	12	15	27
8	8	2	5	-	1	-	1	79	48	127
11	6	-	1	-	-	-	-	154	112	266
-	3	-	-	-	-	-	-	12	10	22
221	174	84	66	8	5	-	1	959	919	1,878
107	132	49	63	4	8	1	3	401	480	881
6	10	2	1	-	-	-	-	51	52	103
21	19	6	5	-	-	-	-	134	124	258
7	5	-	2	-	-	-	-	25	20	45
2	5	3	1	-	-	-	-	10	10	20
32	20	11	3	-	-	-	1	152	63	215
2	-	1	2	-	-	-	-	19	13	32
-	-	-	-	-	-	-	-	4	6	10
114	133	62	67	19	18	1	4	576	549	1,125
66	113	16	39	-	9	-	2	512	641	1,153
26	18	10	9	1	1	-	-	139	91	230
11	12	4	1	-	-	-	1	51	38	89

Diagnostic Category and I.C.D. Code Number	Age-Group							
	0 - 4		5 - 9		10 - 14		15 - 19	
	Male	Female	Male	Female	Male	Female	Male	Female
Anomalies of pulmonary artery (747.3)	26	19	35	29	40	35	33	25
Anomalies of great veins (747.4)	3	3	12	8	10	10	5	4
Absence or hypoplasia of umbilical artery (747.5)	76	96	28	34	7	2	-	-
Other & unspecified anomalies of peripheral vascular & circulatory system (747.6-.9)	10	10	9	7	7	9	4	5
Congenital Anomalies of Respiratory System (748)	103	83	29	28	34	24	15	7
Choanal atresia (748.0)	7	16	7	11	12	8	3	2
Other anomalies of nose (748.1)	7	10	3	9	2	5	6	1
Anomalies of larynx, trachea & bronchus (748.2, .3)	65	35	12	3	13	8	2	3
Anomalies of lung & respiratory system (748.4-.9)	24	22	7	5	7	3	4	1
Cleft Palate & Cleft Lip (749)	176	154	212	125	201	162	217	154
Cleft palate (749.0)	58	67	71	67	68	71	64	81
Cleft lip (749.1)	43	37	57	27	53	27	50	18
Cleft palate with cleft lip (749.2)	75	50	84	31	80	64	103	55

and Sex								Total		
20 - 29		30 - 39		40 - 49		50 - Over				
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Total
52	40	16	21	2	3	-	1	204	173	377
4	3	-	3	-	-	-	-	34	31	65
-	-	-	-	-	-	-	-	111	132	243
7	8	6	11	4	9	10	19	57	78	135
9	13	1	3	1	3	-	2	192	163	355
-	1	-	-	-	-	-	-	29	38	67
4	4	1	2	-	-	-	1	23	32	55
4	6	-	-	1	-	-	-	97	55	152
1	2	-	1	-	3	-	1	43	38	81
384	246	82	66	22	30	9	10	1,303	947	2,250
114	103	24	25	10	13	5	9	414	436	850
95	44	18	14	1	3	-	1	317	171	488
175	99	40	27	11	14	4	-	572	340	912

Diagnostic Category and I.C.D. Code Number	Age-Group							
	0 - 4		5 - 9		10 - 14		15 - 19	
	Male	Female	Male	Female	Male	Female	Male	Female
Congenital Anomalies of Upper Alimentary Tract & Digestive System (excluding cleft lip & palate) (750, 751)	737	341	645	266	618	242	193	65
Anomalies of tongue, mouth & pharynx (750.0, .1, .2)	120	68	21	15	15	15	8	7
Tracheo-oesophageal fistula, oesophageal atresia & stenosis (750.3)	20	18	15	21	19	12	14	2
Congenital pyloric stenosis (750.5)	431	112	444	115	439	107	121	29
Other & unspecified anomalies of upper alimentary tract (750.4, .6, .7, .8, .9)	14	18	11	15	12	11	4	3
Meckel's diverticulum (751.0). . .	18	5	21	8	23	14	13	3
Atresia & stenosis of small intestine (751.1)	15	23	13	9	13	15	3	5
Atresia & stenosis of large intestine, rectum, & anal canal (751.2)	33	27	46	26	35	27	15	7
Hirschsprung's disease (751.3) . .	22	14	22	16	34	13	11	7
Anomalies of intestinal fixation & other anomalies of intestine (751.4, .5)	53	46	48	37	21	18	1	1
Anomalies of gallbladder, bile ducts, & liver (751.6).	8	8	4	3	4	2	1	1
Anomalies of pancreas (751.7). . .	1	2	-	-	-	5	1	-
Other & unspecified anomalies of digestive system (751.8, .9). .	2	-	-	1	3	3	1	-

and Sex								Total		
20 - 29		30 - 39		40 - 49		50 - Over				
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Total
87	47	15	15	3	3	4	1	2,302	980	3,282
16	6	2	3	-	1	2	-	184	115	299
10	2	-	-	-	-	2	-	80	55	135
12	7	3	2	2	1	-	-	1,452	373	1,825
7	6	6	-	1	-	-	-	55	53	108
4	1	-	2	-	-	-	-	79	33	112
1	1	-	-	-	-	-	-	45	53	98
20	14	2	5	-	1	-	-	151	107	258
10	2	2	-	-	-	-	-	101	52	153
3	3	-	-	-	-	-	-	126	105	231
3	3	-	3	-	-	-	-	20	20	40
1	1	-	-	-	-	-	-	3	8	11
-	1	-	-	-	-	-	1	6	6	12

Diagnostic Category and I.C.D. Code Number	Age-Group							
	0 - 4		5 - 9		10 - 14		15 - 19	
	Male	Female	Male	Female	Male	Female	Male	Female
Congenital Anomalies of Genital Organs (752)	1,267	78	1,425	80	1,283	50	550	23
Anomalies of ovaries, fallopian tubes & uterus (752.0-.3)	-	8	-	1	-	1	-	6
Anomalies of cervix, vagina & external female genitalia (752.4)[1]	-	50	-	64	-	34	-	13
Undescended testicle (752.5)	529	-	892	-	782	-	299	-
Hypospadias & epispadias (752.6)	456	4	446	3	440	1	216	1
Indeterminate sex & pseudo-hermaphroditism (752.7)[1]	3	9	4	7	10	12	3	1
Other & unspecified anomalies of genital organs (752.8[2], .9)	279	5	85	3	49	1	32	1
Congenital Anomalies of Urinary System (753)	127	98	250	229	311	335	197	213
Renal agenesis & dysgenesis (753.0)	13	7	12	8	16	17	6	13
Cystic kidney disease (753.1)	10	7	9	7	11	6	4	1
Obstructive defects of renal pelvis & ureter (753.2)	35	25	58	67	73	97	33	33
Other specified anomalies of kidney & ureter (753.3, .4)	20	41	46	96	45	128	32	78
Exstrophy of urinary bladder (753.5)	1	2	1	3	3	3	2	1
Atresia & stenosis of urethra & bladder neck (753.6)	29	4	93	32	141	59	106	79
Other & unspecified anomalies of urinary system & urachus (753.7-.9)	19	12	31	16	22	25	14	8

1. See note, page 27.

2. Includes congenital hydrocele.

and Sex								Total		
20 - 29		30 - 39		40 - 49		50 - Over				
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Total
191	37	76	13	7	4	5	4	4,804	289	5,093
-	8	-	6	-	3	-	2	-	35	35
-	20	-	4	-	1	-	-	-	186	186
43	-	40	-	5	-	3	-	2,593	-	2,593
128	-	31	-	1	-	1	-	1,719	9	1,728
10	8	-	2	-	-	-	1	30	40	70
10	-	5	-	1	-	1	1	462	11	473
94	103	24	36	8	5	18	22	1,019	1,041	2,060
9	10	1	6	-	1	-	-	57	62	119
8	7	4	10	5	3	15	17	66	58	124
28	16	5	2	2	-	-	1	234	241	475
14	43	4	15	1	-	3	3	165	404	569
2	1	1	-	-	-	-	-	10	10	20
21	12	7	1	-	-	-	-	397	187	584
12	14	2	2	-	1	-	1	100	79	179

Diagnostic Category and I.C.D. Code Number	Age-Group							
	0 - 4		5 - 9		10 - 14		15 - 19	
	Male	Female	Male	Female	Male	Female	Male	Female
Congenital Anomalies of the Musculoskeletal System (754-756)	1,676	2,088	1,497	1,751	1,243	1,371	787	815
Anomalies of skull, face, & jaw (754.0)	42	45	32	18	11	8	8	7
Anomalies of sternocleidomastoid muscle (754.1)	3	2	2	3	3	-	-	1
Anomalies of spine (754.2)	5	9	10	14	8	12	8	16
Congenital dislocation of hip (754.3)[1]	232	627	147	619	125	516	64	208
Congenital dislocatable hip (754.9)[2]	128	287	8	49	4	4	1	2
Clubfoot (754.5, .6, .7)	635	603	667	581	528	444	301	254
Other specified musculoskeletal anomalies (754.4, .8)	30	21	50	30	67	24	41	16
Polydactyly (755.0)	120	101	112	72	112	66	60	48
Syndactyly (755.1)	99	33	114	56	94	55	81	50
Reduction deformities of upper limb (755.2)	44	31	39	27	35	23	33	44
Reduction deformities of lower limb (755.3)	21	15	21	20	19	27	18	15
Other anomalies of upper limb, including shoulder girdle (755.5)	25	21	24	13	27	17	23	12
Other anomalies of lower limb, including pelvic girdle (755.6)	81	102	76	84	43	43	24	37
Arthrogryposis multiplex congenital (755.8)	10	6	3	7	8	8	7	7
Anomalies of unspecified limb (755.4, .9)	10	10	1	-	1	-	1	1
Anomalies of skull & face bones (756.0)	85	67	82	49	60	26	34	27
Anomalies of spine (756.1)	21	14	12	11	9	14	20	17

1. Registry adaptation of code (excludes subluxatable hip).

2. Special Registry code.

and Sex								Total		
20 - 29		30 - 39		40 - 49		50 - Over				
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Total
1,007	955	353	354	79	87	79	149	6,721	7,570	14,291
14	3	1	3	-	-	1	-	109	84	193
2	5	3	-	-	-	-	-	13	11	24
18	39	9	17	4	-	2	6	64	113	177
43	208	13	57	3	22	7	56	634	2,313	2,947
1	2	1	-	-	-	1	1	144	345	489
458	342	115	67	24	17	15	15	2,743	2,323	5,066
42	20	17	13	2	4	4	1	255	129	384
11	11	6	6	1	1	1	-	423	305	728
52	35	13	10	3	1	5	1	461	241	702
71	44	36	28	4	6	4	9	266	212	478
32	24	12	11	2	4	2	6	127	122	249
34	28	31	25	4	7	4	1	172	124	296
46	50	16	19	1	5	5	12	292	352	644
12	18	3	6	1	-	-	-	44	52	96
1	-	1	-	-	2	2	-	17	13	30
48	19	8	12	4	2	-	2	321	204	525
32	35	19	25	11	4	15	31	139	151	290

Diagnostic Category and I.C.D. Code Number	Age-Group							
	0 - 4		5 - 9		10 - 14		15 - 19	
	Male	Female	Male	Female	Male	Female	Male	Female
Anomalies of ribs & sternum (756.2, .3)	6	5	5	6	6	3	2	5
Chondrodystrophy (756.4)	7	5	9	4	5	8	9	4
Osteodystophies (756.5)	5	12	7	10	13	10	9	11
Anomalies of diaphragm (756.6)	21	13	12	8	13	8	1	1
Anomalies of abdominal wall (756.7)[1]	15	21	25	16	12	20	7	4
Other & unspecified anomalies of musculoskeletal system (756.8, .9)	29	38	39	54	40	35	35	28
Congenital Anomalies of Integument (757)	278	309	145	148	174	211	88	120
Anomalies of skin, hair, nails, & breast (757.0-.9, excluding 757.3)	59	27	25	12	13	15	12	6
Other specified anomalies of skin (757.3)[2]	219	282	120	136	161	196	76	114
Chromosomal Anomalies (758)	101	113	112	75	97	109	137	129
Down syndrome (758.0)	85	86	105	61	85	93	121	106
Trisomy 13, 18 (758.1, .2)[3]	3	5	1	2	1	-	-	1
Deletion syndromes (758.3)	6	6	2	1	-	1	-	-
Other conditions due to autosomal anomalies (758.4, .5)	2	2	-	8	3	2	2	3
Gonadal dysgenesis (758.6)	-	13	3	2	1	13	1	18
Klinefelter's syndrome (758.7)	3	-	1	-	5	-	11	-
Other & unspecified chromosomal anomalies (758.8, .9)	1	2	-	1	2	-	2	1

1. Includes omphalocele (special adaptation of ICD code).
2. Includes hemangioma of skin and hemangioma NOS (special adaptation of ICD code).
3. See notes, page 27.

and Sex								Total		
20 - 29		30 - 39		40 - 49		50 - Over				
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Total
7	8	8	5	3	2	1	1	38	35	73
27	22	14	18	1	3	7	2	79	66	145
10	9	7	7	3	2	1	2	55	63	118
1	2	-	2	-	-	-	-	48	34	82
4	4	-	-	-	-	-	1	63	66	129
41	27	20	23	8	5	2	2	214	212	426
83	117	14	25	3	4	1	7	786	941	1,727
16	17	6	6	-	1	-	2	131	86	217
67	100	8	19	3	3	1	5	655	855	1,510
282	275	141	132	55	47	45	46	970	926	1,896
242	217	118	106	46	33	33	32	835	734	1,569
-	-	1	1	-	-	-	-	6	9	15
-	2	1	1	-	-	-	-	9	11	20
8	11	6	5	2	6	3	8	26	45	71
1	41	1	19	-	8	-	4	7	118	125
27	-	12	-	7	-	8	-	74	-	74
4	4	2	-	-	-	1	2	13	9	22

Diagnostic Category and I.C.D. Code Number	Age-Group							
	0 - 4		5 - 9		10 - 14		15 - 19	
	Male	Female	Male	Female	Male	Female	Male	Female
Other & Unspecified Congenital Anomalies (759)	60	40	62	57	64	55	36	28
Anomalies of spleen (759.0) . . .	8	1	2	1	3	-	1	-
Anomalies of adrenal gland (759.1)	3	1	2	1	1	-	-	-
Anomalies of other endocrine glands (759.2).	11	10	25	16	25	24	8	8
Situs inversus (759.3).	6	2	1	7	4	5	1	-
Conjoined twins (759.4)	-	-	-	2	-	-	-	-
Tuberous sclerosis (759.5). . . .	5	6	5	5	4	6	3	5
Other hamartoses NEC (759.6). . .	6	5	4	5	-	3	2	2
Multiple congenital anomalies, so described (759.7)	3	3	4	4	3	2	2	-
Other & unspecified congenital anomalies (759.8, .9)	18	12	19	16	24	15	19	13
CONDITIONS ORIGINATING IN THE PERINATAL PERIOD (760-779). . . .	1,648	1,109	83	56	28	22	20	19
Fetal alcohol syndrome (760.7). .	35	31	24	13	2	3	2	2
Amniotic constriction band syndrome (762.8)[1]	1	3	3	6	1	-	2	-
Fetal growth retardation, unspecified (764.9)	56	55	3	3	1	-	-	-
Birth injury to facial nerve or brachial plexus (767.5, .6) . .	24	13	8	7	5	7	6	6
Intrauterine hypoxia & birth asphyxia (768.0-.9)	21	31	2	1	-	-	3	-
Respiratory distress syndrome (769)	615	370	21	11	6	2	1	1
Other respiratory conditions of fetus & newborn (770.0-.9). . .	259	150	6	3	2	1	-	-
Haemolytic disease due to isoimmunization (773.0-.5). . .	81	71	1	5	4	1	1	3
Other perinatal conditions (within 760 - 779).	555	385	15	7	7	8	5	7

1. Special Registry Code.

and Sex								Total		
20 - 29		30 - 39		40 - 49		50 - Over				
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Total
45	50	32	29	4	7	6	6	309	272	581
1	-	-	-	-	-	-	-	15	2	17
-	-	-	-	-	-	-	-	6	2	8
3	2	5	1	-	1	-	-	77	62	139
1	2	1	3	-	-	-	-	14	19	33
-	-	-	-	-	-	-	-	-	2	2
2	5	-	6	2	1	-	-	21	34	55
3	7	3	1	-	1	1	-	19	24	43
6	4	-	-	-	-	1	-	19	13	32
29	30	23	18	2	4	4	5	138	114	252
69	37	28	20	5	4	3	5	1,884	1,272	3,156
-	-	-	-	-	-	-	-	63	50	113
1	2	1	1	-	-	-	-	9	12	21
-	-	-	-	-	-	-	-	60	58	118
22	16	12	5	3	3	-	1	80	58	138
-	2	-	2	-	-	-	-	26	36	62
-	-	-	-	-	-	-	-	645	384	1,029
1	2	-	-	-	-	-	-	268	157	425
20	7	8	8	-	-	1	-	116	95	211
25	8	6	4	2	1	1	2	616	422	1,038

Diagnostic Category and I.C.D. Code Number	Age-Group							
	0 - 4		5 - 9		10 - 14		15 - 19	
	Male	Female	Male	Female	Male	Female	Male	Female
SYMPTOMS, SIGNS & ILL-DEFINED CONDITIONS (780-799).	159	123	161	103	343	181	376	209
Lack of expected normal physiological development (783.4). . .	147	113	105	65	129	80	115	63
Aphasia (784.3)	1	-	4	4	11	8	21	19
Voice or speech distrubance (784.4, .5).	1	2	37	28	173	75	197	101
Other symbolic dysfunction (784.6).	1	-	3	1	3	4	12	1
Other symptoms, signs & ill-defined conditions (within 780-799). . .	8	9	12	5	27	14	31	25
INJURY & POISONING (800-999). . . .	6	5	29	8	58	32	106	56
Traumatic enucleation of eye (871.3)[1]	-	-	2	-	7	3	9	4
Late effect of fracture of spine &/or injury to spinal cord (905.1, 907.2)	1	-	-	2	5	1	12	5
Traumatic amputation of limb (885, 886, 887, 895, 896, 897)[2] and late effect of traumatic amputation (905.9)[3]	-	-	3	2	2	4	17	7
Late effects of fracture of skull and intracranial injury (905.0, 907.0)	-	1	9	2	14	12	26	15
Late effects of other musculoskeletal & connective tissue injuries (905.2-.8).	-	-	1	-	1	-	7	2
Late effects of burns (906.5-.9). .	2	2	6	-	8	5	14	10
Child maltreatment syndrome (995.5)	1	-	3	-	9	2	3	2
Other disabilities resulting from injury & poisoning (within 800-999)	2	2	5	2	12	5	18	11

1. Excludes enucleation of eye as therapeutic procedure (360.8)
2. Excludes surgical removal (736.8)
3. See note, page 27.

and Sex								Total		
20 - 29		30 - 39		40 - 49		50 - Over				
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Total
855	413	448	300	130	101	483	320	2,955	1,750	4,705
110	59	9	9	2	3	5	6	621	397	1,018
60	25	31	27	11	13	65	51	204	147	351
598	288	355	230	77	54	251	127	1,690	904	2,594
15	3	3	-	3	-	5	4	45	13	58
72	38	50	34	38	32	157	132	395	289	684
641	261	575	191	379	123	904	384	2,698	1,060	3,758
26	24	23	10	12	6	34	11	113	58	171
170	47	192	46	130	25	265	89	775	215	990
87	26	80	17	65	13	158	29	412	98	510
154	57	117	42	67	23	128	30	515	182	697
41	13	45	13	41	29	129	133	265	190	455
63	57	42	34	17	7	18	12	170	127	297
12	2	3	-	-	-	-	-	31	6	37
88	35	73	29	47	20	172	80	417	184	601

Diagnostic Category and I.C.D. Code Number	Age-Group							
	0 - 4		5 - 9		10 - 14		15 - 19	
	Male	Female	Male	Female	Male	Female	Male	Female
CONDITIONS NOT CLASSIFIED ELSEWHERE	2	1	-	-	-	-	-	1
TOTAL CODED CONDITIONS	10,658	7,437	10,142	7,288	10,855	7,482	9,173	6,660
TOTAL NUMBER OF REGISTERED PERSONS	7,571	5,389	7,542	5,125	7,740	5,584	6,059	4,527
POPULATION OF BRITISH COLUMBIA[1] (In thousands)	99.1	94.3	95.3	91.3	105.3	100.4	121.8	117.8

1. Postcensal estimates by Statistics Canada, June 1, 1981.
(Note: each figure has been rounded independently to the nearest hundred)

and Sex								Total		
20 - 29		30 - 39		40 - 49		50 - Over				
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Total
-	-	-	1	-	-	-	-	2	3	5
16,525	12,707	10,725	8,989	5,486	4,888	21,231	25,378	94,795	80,230	175,025
10,105	8,278	6,991	6,143	3,324	3,196	10,873	14,121	60,205	52,363	112,568
250.8	252.8	210.9	204.7	147.8	139.4	318.1	364.0	1349.0	1364.7	2713.7

FIGURE 2

PROPORTION OF MAJOR CATEGORIES OF CONGENITAL ANOMALIES

This chart illustrates the percentage of anomalies recorded in each main category of congenital anomalies listed in Table 9.

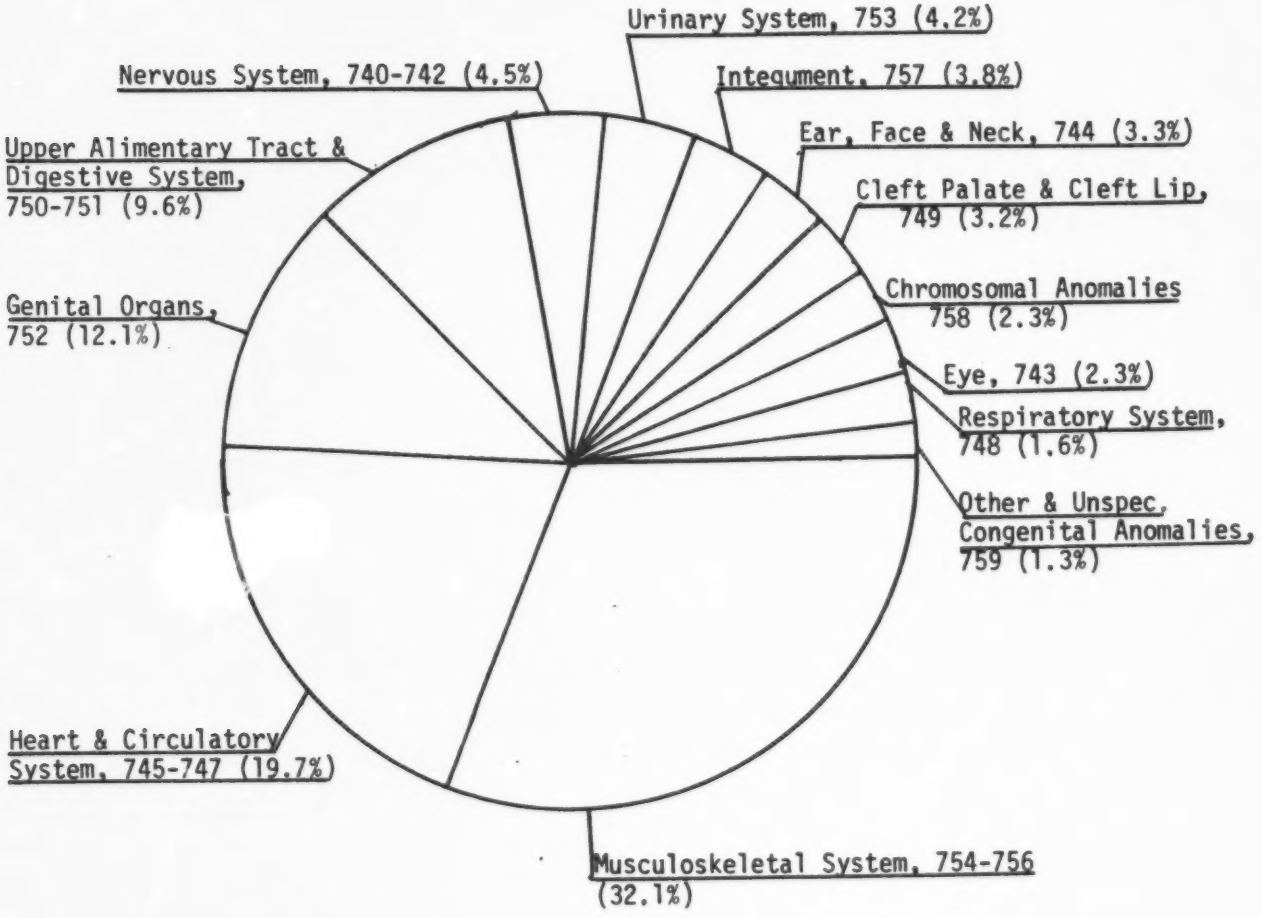
FIGURE 3

INCIDENCE RATES OF MAJOR CATEGORIES OF CONGENITAL ANOMALIES

This graph illustrates the incidence rates of anomalies recorded in each main category shown in Table 9.

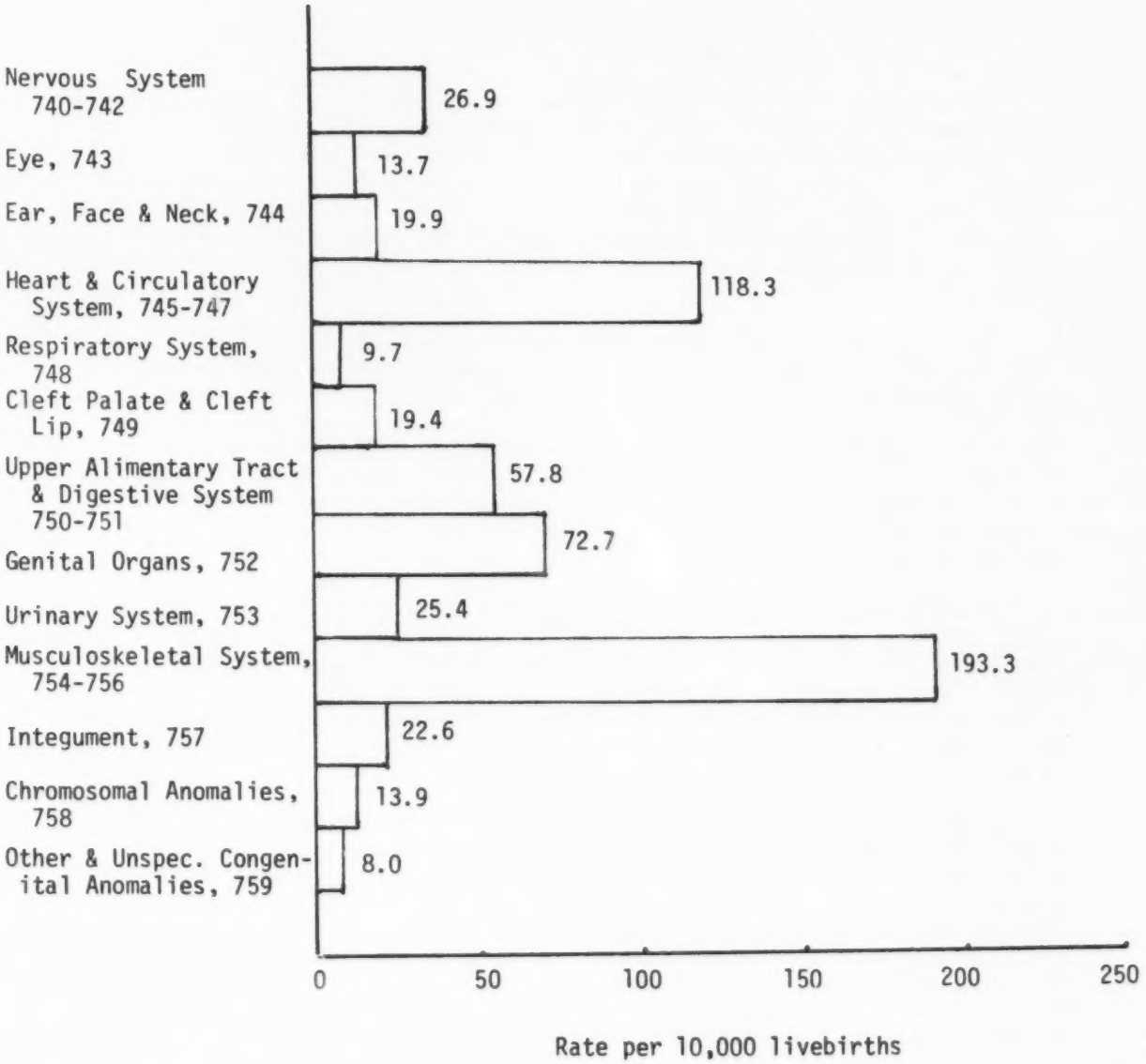
In each of these figures, it is important to note that the relative proportions of numbers and rates reflect only the ascertainment by the Registry of anomalies in these categories. They do not reflect the importance of each category in terms of severity or medical impact.

Figure 2. PROPORTION OF MAJOR CATEGORIES* OF CONGENITAL ANOMALIES IN ALL CONGENITAL ANOMALIES OCCURRING IN B.C. LIVEBIRTHS, FOR THE PERIOD 1971 to 1980.


Urinary System, 753 (4.2%)
Integument, 757 (3.8%)
Ear, Face & Neck, 744 (3.3%)
Cleft Palate & Cleft Lip, 749 (3.2%)
Chromosomal Anomalies 758 (2.3%)
Eye, 743 (2.3%)
Respiratory System, 748 (1.6%)
Other & Unspec. Congenital Anomalies, 759 (1.3%)
Musculoskeletal System, 754-756 (32.1%)
Heart & Circulatory System, 745-747 (19.7%)
Genital Organs, 752 (12.1%)
Upper Alimentary Tract & Digestive System, 750-751 (9.6%)
Nervous System, 740-742 (4.5%)

*ICD categories correspond to those shown in Table 9, pages 76 to 105.

Figure 3. INCIDENCE RATES OF THE MAJOR CATEGORIES* OF CONGENITAL ANOMALIES RECORDED IN B.C. LIVEBIRTHS, FOR THE PERIOD 1971-1980.



*ICD categories correspond to those shown in Table 9, pages 76 to 105.

TABLES 8 and 9

NUMBERS AND RATES OF CONGENITAL ANOMALIES BY SEX AND BIRTH YEAR

1971 TO 1980

These tables show the annual numbers and rates of congenital anomalies, ascertained to the end of 1981, in British Columbia-born children, by sex and birth year from 1971 to 1980. The anomalies listed are those in Chapter XIV of ICD-9, and the data is arranged mostly in ascending order of ICD code number. Anomalies present at birth but assigned an ICD code other than in Chapter XIV, for example phekylketonuria (ICD 270.1) and other inborn metabolic and immunity disorders, are not included in these tables.

Table 8 presents data on congenital anomalies of the nervous system (ICD 740-742). The numbers are shown for livebirths plus stillbirths, and the rates are expressed per 10,000 total births. Stillbirths are included in this data because of the lethal nature of many anomalies of the nervous system (anencephaly, for example), thus information from stillbirth records is particularly important to ascertainment of anomalies in this category. In Table 9, ascertained numbers and rates, based on livebirths, of all anomalies in ICD Chapter XIV, including those of the nervous system, are given.

As in Table 7, the numbers in Table 8 and 9 represent counts of disabilities or anomalies. While one ICD-9 coded anomaly indicates a single individual, one individual may have as many as four anomalies coded. To illustrate, for the birth period 1971 to 1980, a total of 21,871 anomalies were recorded in 17,245 liveborn cases, giving rates of 6.0 anomalies and 4.7 cases per 100 livebirths, and a ratio of 1.27 anomalies to each case.

As described in the introduction to Table 6, ascertainment of congenital anomalies is made from vital and hospital records, as well as from all other registering sources. Vital records of deaths and stillbirths became available as ascertainment sources in 1964, and in 1966 all admission/separation reports for children hospitalized with birth defects and associated disabilities were added. This variety of of reporting sources, together with an extended case-finding period, provides a comprehensive information base from which to record data on the frequency of congenital anomalies.

The period shown, 1971 to 1980, is chosen for two reasons; because of the limitation of space in which to present the figures, and because numbers for the most recent year; i.e., 1981, are consistently low due to a necessary time lag in reporting and processing. However, figures on the annual occurrence of congenital anomalies for 1952 and all subsequent years can be produced by the Registry on request.

As noted previously, comparisons between figures in this and previous reports should be undertaken with caution. Variations between this and earlier revisions of ICD, or alterations in coding policies or instructions, may result in artificial increases or decreases in the data. The reader is reminded that the numbers in these tables represent estimates based on ascertainment by the Registry. For further information or statistics please contact the Health Surveillance Registry at the address shown in the Foreword.

TABLE 8. NUMBERS AND RATES[1] OF CONGENITAL
PER 10,000 TOTAL BIRTHS[2] IN BRITISH
1971 TO 1980, AS ASCERTAINED

Diagnostic Category and ICD Code Number		1971		1972		1973		1974		1975	
		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
NERVOUS SYSTEM (740-742)	T	103	29.2	103	29.5	112	32.3	132	36.9	127	34.6
	M	48	26.3	50	28.0	60	33.7	70	38.0	61	32.6
	F	55	32.3	53	31.0	52	30.8	62	35.7	66	36.7
Anencephalus & similar anomalies (740.0, .1, .2)	T	16	4.5	13	3.7	25	7.2	31	8.7	25	6.8
	M	4	*	5	*	10	5.6	18	9.8	9	4.8
	F	12	7.0	8	4.7	15	8.9	13	7.5	16	8.9
Spina bifida with hydrocephalus (741.0)	T	17	4.8	15	4.3	16	4.6	18	5.0	20	5.5
	M	8	4.4	6	3.4	12	6.7	8	4.3	10	5.3
	F	9	5.3	9	5.3	4	*	10	5.8	10	5.6
Spina bifida without hydrocephalus (741.9)	T	11	3.1	11	3.2	20	5.8	18	5.0	27	7.4
	M	7	3.8	8	4.5	10	5.6	11	6.0	12	6.4
	F	4	*	3	*	10	5.9	7	4.0	15	8.3
Encephalocele (742.0)	T	3	*	5	*	3	*	4	*	3	*
	M	1	*	3	*	1	*	1	*	1	*
	F	2	*	2	*	2	*	3	*	2	*
Microcephalus[4] (742.1)	T	9	2.6	12	3.4	10	2.9	15	4.2	8	2.2
	M	6	3.3	4	*	5	*	8	4.3	4	*
	F	3	*	8	4.7	5	*	7	4.0	4	*
Reduction deformities of brain (742.2)	T	3	*	1	*	2	*	1	*	2	*
	M	-	-	1	*	2	*	-	-	1	*
	F	3	*	-	-	-	-	1	*	1	*
Congenital hydrocephalus (742.3)	T	30	8.5	31	8.9	28	8.1	34	9.5	28	7.6
	M	17	9.3	13	7.3	17	9.5	20	10.9	15	8.0
	F	13	7.6	18	10.5	11	6.5	14	8.1	13	7.2
Other specified anomalies of brain, spinal cord & nervous system (742.4, .5, .8)	T	7	2.0	12	3.4	4	*	7	2.0	10	2.7
	M	2	*	8	4.5	2	*	2	*	7	3.7
	F	5	*	4	*	2	*	5	*	3	*
Unspecified anomalies of brain, spinal cord and nervous system (742.9)	T	7	2.0	3	*	4	*	4	*	4	*
	M	3	*	2	*	1	*	2	*	2	*
	F	4	*	1	*	3	*	2	*	2	*

1. Rates not calculated for frequencies of 5 or less.
2. Livebirths and stillbirths.
3. Where confidence intervals are given, they represent a 95% probability that the average rate shown will occur within the stated range.
4. See note, page 27.

ANOMALIES OF THE NERVOUS SYSTEM (ICD 740-742)

COLUMBIA, BY SEX AND BIRTH YEAR,

TO YEAR-END, 1981

1976		1977		1978		1979		1980		1971 - 1980	
No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
139	38.4	123	33.2	144	38.3	140	36.1	120	29.8	1,243	33.8±2.4[3]
64	34.2	64	33.5	74	38.4	69	34.8	59	28.6	619	32.8±2.7
75	42.9	59	32.9	70	38.2	71	37.6	61	31.0	624	34.9±2.7
22	6.1	21	5.7	27	7.2	17	4.4	13	3.2	210	5.8
10	5.3	11	5.7	5	*	6	3.0	9	4.4	87	4.6
12	6.9	10	5.6	22	12.0	11	5.8	4	*	123	6.9
14	3.9	17	4.6	21	5.6	17	4.4	14	3.5	169	4.6
3	*	4	*	10	5.2	10	5.0	6	2.9	77	4.1
11	6.3	13	7.3	11	6.0	7	3.7	8	4.1	92	5.2
17	4.7	9	2.4	7	1.9	17	4.4	9	2.2	146	4.0
6	3.2	7	3.7	1	*	4	*	2	*	68	3.6
11	6.3	2	*	6	3.3	13	6.9	7	3.6	78	4.4
9	2.5	6	1.6	7	1.9	10	2.6	7	1.7	57	1.6
4	*	3	*	5	*	5	*	2	*	26	1.4
5	*	3	*	2	*	5	*	5	*	31	2.1
22	6.1	8	2.2	14	3.7	16	4.1	13	3.2	127	3.5
12	6.4	4	*	6	3.1	6	3.0	8	3.9	63	3.3
10	5.7	4	*	8	4.4	10	5.3	5	*	64	3.6
6	1.7	5	*	4	*	4	*	3	*	31	0.8
2	*	1	*	1	*	3	*	-	-	11	0.6
4	*	4	*	3	*	1	*	3	*	20	1.1
35	10.0	43	11.6	48	12.8	47	12.1	46	11.4	370	10.1
19	10.1	24	12.6	34	17.7	29	14.6	26	12.6	214	11.3
16	9.2	19	10.6	14	7.6	18	9.5	20	10.2	156	8.7
11	3.0	10	2.7	16	4.3	11	2.8	11	2.7	99	2.7
6	3.2	8	4.2	12	6.2	5	*	4	*	56	3.0
5	*	2	*	4	*	6	3.2	7	3.6	43	2.4
3	*	4	*	-	-	1	*	4	*	34	0.9
2	*	2	*	-	-	1	*	2	*	17	0.9
1	*	2	*	-	-	-	-	2	*	17	1.0

TABLE 9. NUMBERS AND RATES[1] OF CONGENITAL
PER 10,000 LIVEBIRTHS IN BRITISH
1971 TO 1980, AS ASCERTAINED

Diagnostic Category and ICD Code Number		1971		1972		1973		1974		1975	
		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
NERVOUS SYSTEM (740-742)	T	73	20.9	90	26.0	85	24.7	94	26.5	94	25.9
	M	36	20.0	46	26.0	50	28.3	52	28.5	49	26.5
	F	37	22.0	44	26.0	35	20.9	42	24.4	45	25.3
Anencephalus & similar anomalies (740.0, .1, .2)	T	3	*	4	*	7	2.0	7	2.0	10	2.8
	M	1	*	2	*	6	3.4	6	3.3	6	3.2
	F	2	*	2	*	1	*	1	*	4	*
Spina bifida with hydrocephalus (741.0)	T	14	4.0	14	4.1	15	4.4	17	4.8	18	5.0
	M	6	3.3	6	3.4	11	6.2	8	4.4	9	4.9
	F	8	4.7	8	4.7	4	*	9	5.2	9	5.1
Spina bifida without hydrocephalus (741.9)	T	8	2.3	11	3.2	17	4.9	12	3.4	18	5.0
	M	5	*	8	4.5	8	4.5	8	4.4	8	4.3
	F	3	*	3	*	9	5.4	4	*	10	5.6
Encephalocele (742.0)	T	-	-	5	*	3	*	3	*	3	*
	M	-	-	3	*	1	*	-	-	1	*
	F	-	-	2	*	2	*	3	*	2	*
Microcephalus[3] (742.1)	T	9	2.6	12	3.5	10	2.9	15	4.2	8	2.2
	M	6	3.3	4	*	5	*	8	4.4	4	*
	F	3	*	8	4.7	5	*	7	4.1	4	*
Reduction deformities of brain (742.2)	T	3	*	1	*	2	*	1	*	2	*
	M	-	-	1	*	2	*	-	-	1	*
	F	3	*	-	-	-	-	1	*	1	*
Congenital hydrocephalus (742.3)	T	22	6.3	28	8.1	23	6.7	28	7.9	22	6.1
	M	13	7.2	12	6.8	14	7.9	18	9.9	12	6.5
	F	9	5.3	16	9.5	9	5.4	10	5.8	10	5.6
Other specified anomalies of brain, spinal cord & nervous system (742.4, .5, .8)	T	7	2.0	12	3.5	4	*	7	2.0	9	2.5
	M	2	*	8	4.5	2	*	2	*	6	3.2
	F	5	*	4	*	2	*	5	*	3	*
Unspecified anomalies of brain, spinal cord & nervous system (742.9)	T	7	2.0	3	*	4	*	4	*	4	*
	M	3	*	2	*	1	*	2	*	2	*
	F	4	*	1	*	3	*	2	*	2	*

1. Values not calculated for frequencies of 5 or less.
2. Where confidence intervals are given, they represent a 95% probability that the average rate shown will occur within the stated range.
3. See note, page 27.

ANOMALIES (ICD 740-759)

COLUMBIA, BY SEX AND BIRTH YEAR,

TO YEAR-END, 1981

1976		1977		1978		1979		1980		1971 - 1980	
No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
111	31.0	92	25.1	117	31.4	115	29.9	107	26.8	978	26.9±2.2[2]
58	31.3	45	23.8	67	35.1	60	30.4	54	26.4	517	27.7±2.9
53	30.6	47	26.4	50	27.5	55	29.4	53	27.2	461	26.1±2.1
7	2.0	5	*	12	3.2	7	1.8	10	2.5	72	2.0
7	3.8	3	*	3	*	4	*	9	4.4	47	2.5
-	-	2	*	9	5.0	3	*	1	*	25	1.4
14	3.9	16	4.4	20	5.4	14	3.6	14	3.5	156	4.3
3	*	3	*	9	4.7	9	4.6	6	2.9	70	3.7
11	6.4	13	7.3	11	6.1	5	*	8	4.1	86	4.9
11	3.1	5	*	2	*	13	3.4	8	2.0	105	2.9
6	3.2	4	*	1	*	3	*	2	*	53	2.8
5	*	1	*	1	*	10	5.3	6	3.1	52	2.9
7	2.0	5	*	5	*	8	2.1	6	1.5	45	1.2
3	*	2	*	3	*	4	*	2	*	19	1.0
4	*	3	*	2	*	4	*	4	*	26	1.5
22	6.1	8	2.2	14	3.8	15	3.9	13	3.3	126	3.5
12	6.5	4	*	6	3.1	5	*	8	3.9	62	3.3
10	5.8	4	*	8	4.4	10	5.3	5	*	64	3.6
6	1.7	5	*	4	*	3	*	3	*	30	0.8
2	*	1	*	1	*	3	*	-	-	11	0.6
4	*	4	*	3	*	-	-	3	*	19	1.1
31	8.6	34	9.3	44	11.8	44	11.5	39	9.8	315	8.7
17	9.2	18	9.5	32	16.8	26	13.2	21	10.3	183	9.8
14	8.1	16	9.0	12	6.6	18	9.6	18	9.2	132	7.5
10	2.8	10	2.7	16	4.3	10	2.6	10	2.5	95	2.6
6	3.2	8	4.2	12	6.3	5	*	4	*	55	2.9
4	*	2	*	4	*	5	*	6	3.1	40	2.3
3	*	4	*	-	-	1	*	4	*	34	0.9
2	*	2	*	-	-	1	*	2	*	17	0.9
1	*	2	*	-	-	-	-	2	*	17	1.0

Diagnostic Category and ICD Code Number		1971		1972		1973		1974		1975	
		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
EYE (743)	T	60	17.2	38	11.0	44	12.8	58	16.4	51	14.1
	M	32	17.8	21	11.9	22	12.5	30	16.5	18	9.7
	F	28	16.6	17	10.1	22	13.2	28	16.3	33	18.6
Anophthalmos & microphthalmos (743.0, .1)	T	9	2.6	5	*	4	*	6	1.7	6	1.7
	M	4	*	3	*	1	*	3	*	3	*
	F	5	*	2	*	3	*	3	*	3	*
Buphthalmos (743.2)	T	4	*	2	*	5	*	8	2.3	2	*
	M	3	*	1	*	5	*	3	*	1	*
	F	1	*	1	*	-	-	5	*	1	*
Congenital cataract (743.3)	T	21	6.0	7	2.0	13	3.8	14	3.9	20	5.5
	M	11	6.1	3	*	6	3.4	6	3.3	6	3.2
	F	10	5.9	4	*	7	4.2	8	4.6	14	7.9
Colomboma & other anomalies of anterior segments (743.4)	T	1	*	5	*	-	-	6	1.7	1	*
	M	-	-	2	*	-	-	1	*	1	*
	F	1	*	3	*	-	-	5	*	-	-
Anomalies of posterior segments (743.5)	T	2	*	1	*	2	*	1	*	3	*
	M	1	*	1	*	-	-	1	*	1	*
	F	1	*	-	-	2	*	-	-	2	*
Anomalies of eyelids, lacrimal system and orbit (743.6)	T	22	6.3	18	5.2	20	5.8	23	6.5	16	4.4
	M	13	7.2	11	6.2	10	5.7	16	8.8	5	*
	F	9	5.3	7	4.1	10	6.0	7	4.1	11	6.2
Other & unspecified anomalies of eye[1] (743.8, .9)	T	1	*	-	-	-	-	-	-	3	*
	M	-	-	-	-	-	-	-	-	1	*
	F	1	*	-	-	-	-	-	-	2	*
EAR, FACE AND NECK (744)	T	65	18.7	73	21.1	65	18.9	52	14.7	60	16.5
	M	32	17.8	42	23.8	35	19.8	20	11.0	30	16.2
	F	33	19.6	31	18.3	30	18.0	32	18.6	30	16.9
Anomalies of ear causing impairment of hearing (744.0)	T	6	1.7	4	*	7	2.0	4	*	9	2.5
	M	3	*	3	*	5	*	2	*	5	*
	F	3	*	1	*	2	*	2	*	4	*

1976		1977		1978		1979		1980		1971 - 1980	
No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
51	14.2	46	12.5	60	16.1	42	10.9	49	12.3	499	13.7±1.5
30	16.2	30	15.9	25	13.1	21	10.7	24	11.7	253	13.6±2.0
21	12.1	16	9.0	35	19.3	21	11.2	25	12.8	246	13.9±2.5
7	2.0	4	*	9	2.4	2	*	11	2.8	63	1.7
6	3.2	2	*	3	*	1	*	3	*	29	1.6
1	*	2	*	6	3.3	1	*	8	4.1	34	1.9
1	*	6	1.6	4	*	3	*	2	*	37	1.0
1	*	5	*	4	*	1	*	2	*	26	1.4
-	-	1	*	-	-	2	*	-	-	11	0.6
14	3.9	6	1.6	14	3.8	2	*	4	*	115	3.2
6	3.2	4	*	5	*	1	*	3	*	51	2.7
8	4.6	2	*	9	5.0	1	*	1	*	64	3.6
5	*	4	*	6	1.6	2	*	4	*	34	0.9
3	*	4	*	2	*	-	-	1	*	14	0.7
2	*	-	-	4	*	2	*	3	*	20	1.1
3	*	1	*	7	1.9	6	1.6	1	*	27	0.7
3	*	1	*	3	*	3	*	-	-	14	0.7
-	-	-	-	4	*	3	*	1	*	13	0.7
17	4.7	22	6.0	17	4.6	25	6.5	27	6.8	207	5.7
9	4.9	12	6.3	8	4.2	14	7.1	15	7.3	113	6.1
8	4.6	10	5.6	9	5.0	11	5.9	12	6.2	94	5.3
4	*	3	*	3	*	2	*	-	-	16	0.4
2	*	2	*	-	-	1	*	-	-	6	0.3
2	*	1	*	3	*	1	*	-	-	10	0.6
62	17.3	86	23.4	72	19.3	95	24.7	92	23.0	722	19.9±2.2
36	19.4	47	24.9	38	19.9	51	25.9	51	25.0	382	20.5±3.3
26	15.0	39	21.9	24	18.7	44	23.5	41	21.0	340	19.2±1.8
4	*	7	1.9	5	*	4	*	4	*	54	1.5
4	*	4	*	2	*	3	*	3	*	34	1.8
-	-	3	*	3	*	1	*	1	*	20	1.1

Diagnostic Category and ICD Code Number		1971		1972		1973		1974		1975	
		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Accessory auricle (744.1) . .	T	27	7.7	33	9.5	22	6.4	22	6.2	23	6.3
	M	16	8.9	15	8.5	11	6.2	9	4.9	8	4.3
	F	11	6.5	18	10.6	11	6.6	13	7.5	15	8.4
Other & unspecified	T	14	4.0	16	4.6	23	6.7	13	3.7	12	3.3
anomalies of ear	M	7	3.9	13	7.4	12	6.8	4	*	7	3.8
(744.2, .3)	F	7	4.2	3	*	11	6.6	9	5.2	5	*
Branchial cleft, cyst or. . .	T	17	4.9	15	4.3	10	2.9	12	3.4	11	3.0
fistula: preauricular	M	6	3.3	9	5.1	6	3.4	4	*	6	3.2
sinus (744.4)	F	11	6.5	6	3.5	4	*	8	4.6	5	*
Webbing of neck; other &. . .	T	1	*	5	*	3	*	1	*	5	*
unspecified anomalies of	M	-	-	2	*	1	*	1	*	4	*
face & neck (744.5, .8, .9)	F	1	*	3	*	2	*	-	-	1	*
HEART AND CIRCULATORY SYSTEM.	T	391	112.2	481	139.2	396	115.3	384	108.3	423	116.6
(745-747)	M	199	110.5	240	135.9	226	128.1	207	113.6	212	114.6
	F	192	114.0	241	142.6	170	101.7	177	102.8	211	118.6
Common Truncus (745.0). . . .	T	3	*	4	*	2	*	7	2.0	2	*
	M	2	*	2	*	2	*	2	*	1	*
	F	1	*	2	*	-	-	5	*	1	*
Transposition of great. . . .	T	16	4.6	17	4.9	15	4.4	14	3.9	12	3.3
vessels (745.1)	M	9	5.0	11	6.2	8	4.5	9	4.9	8	4.3
	F	7	4.2	6	3.5	7	4.2	5	*	4	*
Tetralogy of Fallot	T	13	3.7	16	4.6	20	5.8	18	5.1	11	3.0
(745.2)	M	6	3.3	6	3.4	14	7.9	13	7.1	6	3.2
	F	7	4.2	10	5.9	6	3.6	5	*	5	*
Common ventricle (745.3). . .	T	7	2.0	5	*	2	*	6	1.7	8	2.2
	M	1	*	1	*	2	*	4	*	4	*
	F	6	3.6	4	*	-	-	2	*	4	*
Ventricular septal.	T	89	25.5	117	33.9	93	27.1	79	22.3	100	27.6
defect (745.4)	M	47	26.1	54	30.6	51	28.9	42	23.0	43	23.3
	F	42	24.9	63	37.3	42	25.1	37	21.5	57	32.0

1976		1977		1978		1979		1980		1971 - 1980	
No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
20	5.6	43	11.7	34	9.1	39	10.2	40	10.0	303	8.3
11	5.9	23	12.2	18	9.4	19	9.6	26	12.7	156	8.4
9	5.2	20	11.2	16	8.8	20	10.7	14	7.2	147	8.3
17	4.7	19	5.2	21	5.6	34	8.9	37	9.3	206	5.7
12	6.5	11	5.8	16	8.4	21	10.7	14	6.9	117	6.3
5	*	8	4.5	5	*	13	6.9	23	11.8	89	5.0
17	4.7	12	3.3	9	2.4	13	3.4	7	1.8	123	3.4
7	3.8	7	3.7	1	*	7	3.6	6	2.9	59	3.2
10	5.8	5	*	8	4.4	6	3.2	1	*	64	3.6
4	*	5	*	3	*	5	*	4	*	36	1.0
2	*	2	*	1	*	1	*	2	*	16	0.9
2	*	3	*	2	*	4	*	2	*	20	1.1
471	131.4	443	120.7	460	123.6	413	107.5	439	109.9	4,301	118.3±7.3
273	147.2	220	116.3	261	136.8	216	109.6	226	110.6	2,280	122.1±9.5
198	114.4	223	125.4	199	109.6	197	105.3	213	109.2	2,021	114.2±8.6
4	*	1	*	5	*	4	*	4	*	36	1.0
3	*	-	-	5	*	-	-	3	*	20	1.1
1	*	1	*	-	-	4	*	1	*	16	0.9
12	3.3	20	5.5	18	4.8	13	3.4	15	3.8	152	4.2
10	5.4	13	6.9	14	7.3	8	4.1	9	4.4	99	5.3
2	*	7	3.9	4	*	5	*	6	3.1	53	3.0
11	3.1	20	5.5	17	4.6	17	4.4	7	1.8	150	4.1
6	3.2	13	6.9	10	5.2	14	7.1	2	*	90	4.8
5	*	7	3.9	7	3.9	3	*	5	*	60	3.4
5	*	3	*	10	2.7	5	*	6	1.5	57	1.6
4	*	2	*	7	3.7	3	*	3	*	31	1.7
1	*	1	*	3	*	2	*	3	*	26	1.5
97	27.1	95	25.9	91	24.4	76	19.8	75	18.8	912	25.1
52	28.0	45	23.8	55	28.8	32	16.2	35	17.1	456	24.4
45	26.0	50	28.1	36	19.8	44	23.5	40	20.5	456	25.8

Diagnostic Category and ICD Code Number		1971		1972		1973		1974		1975	
		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Ostium secundum type atrial septal defect (745.5)	T	53	15.2	70	20.3	58	16.9	58	16.4	41	11 3
	M	28	15.6	28	15.9	31	17.6	23	12.6	19	10.3
	F	25	14.8	42	24.8	27	16.2	35	20.3	22	12.4
Other & unspecified defects of septal closure (745.6-.9)	T	7	2.0	8	2.3	1	*	5	*	10	2.8
	M	1	*	5	*	1	*	3	*	6	3.2
	F	6	3.6	3	*	-	-	2	*	4	*
Anomalies of pulmonary valve (746.0)	T	10	2.9	19	5.5	12	3.5	11	3.1	17	4.7
	M	3	*	10	5.7	6	3.4	7	3.8	7	3.8
	F	7	4.2	9	5.3	6	3.6	4	*	10	5.6
Tricuspid atresia & stenosis, congenital (746.1)	T	4	*	8	2.3	4	*	1	*	2	*
	M	2	*	6	3.4	3	*	-	-	1	*
	F	2	*	2	*	1	*	1	*	1	*
Ebstein's anomaly (746.2)	T	3	*	2	*	1	*	1	*	-	-
	M	2	*	1	*	1	*	-	-	-	-
	F	1	*	1	*	-	-	1	*	-	-
Congenital stenosis & insufficiency of aortic valve (746.3, .4)	T	14	4.0	7	2.0	9	2.6	9	2.5	9	2.5
	M	7	3.9	5	*	7	4.0	7	3.8	6	3.2
	F	7	4.2	2	*	2	*	2	*	3	*
Congenital mitral stenosis & insufficiency (746.5, .6)	T	2	*	-	-	1	*	6	1.7	6	1.7
	M	2	*	-	-	1	*	3	*	4	*
	F	-	-	-	-	-	-	3	*	2	*
Hypoplastic left heart syndrome (746.7)	T	2	*	2	*	4	*	5	*	5	*
	M	-	-	-	-	4	*	3	*	3	*
	F	2	*	2	*	-	-	2	*	2	*
Other & unspecified anomalies of heart (746.8, .9)	T	43	12.3	65	18.8	45	13.1	44	12.4	53	14.6
	M	24	13.3	41	23.2	27	15.3	27	14.8	28	15.1
	F	19	11.3	24	14.2	18	10.8	17	9.9	25	14.1
Patent ductus arteriosus (747.0)	T	63	18.1	83	24.0	74	21.5	71	20.0	74	20.4
	M	31	17.2	39	22.1	36	20.4	36	19.7	36	19.5
	F	32	19.0	44	26.0	38	22.7	35	20.3	38	21.4

1976		1977		1978		1979		1980		1971 - 1980	
No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
48	13.4	30	8.2	36	9.7	29	7.5	20	5.0	443	12.2
25	13.5	15	7.9	18	9.4	14	7.1	9	4.4	210	11.2
23	13.3	15	8.4	18	9.9	15	8.0	11	5.6	233	13.2
8	2.2	6	1.6	8	2.1	12	3.1	13	3.3	78	2.1
3	*	3	*	6	3.1	8	4.1	8	3.9	44	2.4
5	*	3	*	2	*	4	*	5	*	34	1.9
12	3.3	13	3.5	12	3.2	10	2.6	11	2.8	127	3.5
7	3.8	8	4.2	6	3.1	6	3.0	5	*	65	3.5
5	*	5	*	6	3.3	4	*	6	3.1	62	3.5
3	*	2	*	7	1.9	7	1.8	3	*	41	1.1
2	*	1	*	3	*	4	*	3	*	25	1.3
1	*	1	*	4	*	3	*	-	-	16	0.9
-	-	-	-	1	*	1	*	4	*	13	0.4
-	-	-	-	1	*	-	-	-	-	5	*
-	-	-	-	-	-	1	*	4	*	8	0.5
6	1.7	13	3.5	13	3.5	3	*	3	*	86	2.4
5	*	7	3.7	7	3.7	3	*	3	*	57	3.1
1	*	6	3.4	6	3.3	-	-	-	-	29	1.6
5	*	4	*	2	*	1	*	1	*	28	0.8
2	*	4	*	1	*	-	-	1	*	18	1.0
3	*	-	-	1	*	1	*	-	-	10	0.6
7	2.0	3	*	9	2.4	7	1.8	11	2.8	55	1.5
3	*	2	*	8	4.2	4	*	5	*	32	1.7
4	*	1	*	1	*	2	*	6	3.1	23	1.3
56	15.6	63	17.2	55	14.8	59	15.4	48	12.0	531	14.6
27	14.6	28	14.8	29	15.2	37	18.8	24	11.7	292	15.6
29	16.8	35	19.7	26	14.3	22	11.8	24	12.3	239	13.5
113	31.5	99	27.0	90	24.2	93	24.2	119	29.8	879	24.2
73	39.4	44	23.3	46	24.1	48	24.4	66	32.3	455	24.4
40	23.1	55	30.9	44	24.2	45	24.1	53	27.2	424	24.0

Diagnostic Category and ICD Code Number		1971		1972		1973		1974		1975	
		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Coarctation of aorta (747.1)	T	14	4.0	13	3.8	13	3.8	12	3.4	13	3.6
	M	9	5.0	8	4.5	8	4.5	10	5.5	8	4.3
	F	5	*	5	*	5	*	2	*	5	*
Other anomalies of aorta (747.2)	T	10	2.9	10	2.9	3	*	5	*	9	2.5
	M	5	*	5	*	2	*	3	*	7	3.8
	F	5	*	5	*	1	*	2	*	2	*
Anomalies of pulmonary artery (747.3)	T	19	5.5	18	5.2	17	4.9	16	4.5	18	5.0
	M	10	5.6	13	7.4	11	6.2	11	6.0	11	5.9
	F	9	5.3	5	*	6	3.6	5	*	7	3.9
Anomalies of great veins (747.4)	T	6	1.7	9	2.6	7	2.0	4	*	15	4.1
	M	1	*	3	*	3	*	2	*	6	3.2
	F	5	*	6	3.5	4	*	2	*	9	5.1
Absence of hypoplasia of umbilical artery (747.5)	T	8	2.3	5	*	12	3.5	7	2.0	16	4.4
	M	7	3.9	1	*	6	3.4	1	*	6	3.2
	F	1	*	4	*	6	3.6	6	3.5	10	5.6
Other & unspecified anomalies of peripheral vascular & circulatory system (747.6-.9)	T	5	*	3	*	3	*	5	*	2	*
	M	2	*	1	*	2	*	1	*	2	*
	F	3	*	2	*	1	*	4	*	-	-
RESPIRATORY SYSTEM (748)	T	27	7.7	26	7.5	22	6.4	15	4.2	25	6.9
	M	13	7.2	15	8.5	8	4.5	10	5.5	16	8.7
	F	14	8.3	11	6.5	14	8.4	5	*	9	5.1
Choanal atresia (748.0)	T	6	1.7	7	2.0	3	*	2	*	3	*
	M	4	*	3	*	-	-	2	*	3	*
	F	2	*	4	*	3	*	-	-	-	-
Other anomalies of nose (748.1)	T	3	*	2	*	1	*	2	*	-	-
	M	1	*	-	-	-	-	-	-	-	-
	F	2	*	2	*	1	*	2	*	-	-
Anomalies of larynx, trachea & bronchus (748.2, .3)	T	5	*	9	2.6	2	*	2	*	11	3.0
	M	1	*	8	4.5	1	*	2	*	6	3.2
	F	4	*	1	*	1	*	-	-	5	*

1976		1977		1978		1979		1980		1971 - 1980	
No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
16	4.5	14	3.8	11	3.0	14	3.6	17	4.3	137	3.8
10	5.4	5	*	7	3.7	7	3.6	12	5.9	84	4.5
6	3.5	9	5.1	4	*	7	3.7	5	*	53	3.0
10	2.8	4	*	8	2.1	4	*	6	1.5	69	1.9
9	4.9	3	*	5	*	3	*	3	*	45	2.4
1	*	1	*	3	*	1	*	3	*	24	1.4
14	3.9	14	3.8	10	2.7	16	4.2	13	3.3	155	4.3
7	3.8	11	5.8	7	3.7	7	3.6	4	*	92	4.9
7	4.0	3	*	3	*	9	4.8	9	4.6	63	3.6
8	2.2	4	*	10	2.7	4	*	4	*	71	2.0
5	*	3	*	6	3.1	2	*	3	*	34	1.8
3	*	1	*	4	*	2	*	1	*	37	2.1
31	8.6	35	9.5	44	11.8	29	7.5	48	12.0	235	6.5
17	9.2	14	7.4	18	9.4	11	5.6	23	11.3	104	5.6
14	8.1	21	11.8	26	14.3	18	9.6	25	12.8	131	7.4
5	*	-	-	3	*	9	2.3	12	3.0	47	1.3
3	*	-	-	2	*	5	*	5	*	23	1.2
2	*	-	-	1	*	4	*	7	3.6	24	1.4
19	5.3	40	10.9	52	14.0	48	12.5	77	19.3	351	9.7±3.3
8	4.3	27	14.3	28	14.7	24	12.2	45	22.0	194	10.4±3.9
11	6.4	13	7.3	24	13.2	24	12.8	32	16.4	157	8.9±2.9
3	*	6	1.6	7	1.9	-	-	10	2.5	47	1.3
-	-	2	*	4	*	-	-	6	2.9	24	1.3
3	*	4	*	3	*	-	-	4	*	23	1.3
3	*	2	*	-	-	4	*	4	*	21	0.6
1	*	1	*	-	-	1	*	2	*	6	0.3
2	*	1	*	-	-	3	*	2	*	15	0.8
3	*	15	4.1	20	5.4	25	6.5	25	6.3	117	3.2
3	*	13	6.9	14	7.3	11	5.6	16	7.8	75	4.0
-	-	2	*	6	3.3	14	7.5	9	4.6	42	2.4

Diagnostic Category and ICD Code Number		1971 No.	1971 Rate	1972 No.	1972 Rate	1973 No.	1973 Rate	1974 No.	1974 Rate	1975 No.	1975 Rate
Congenital cystic lung (748.4)	T	1	*	1	*	1	*	1	*	1	*
	M	1	*	1	*	1	*	-	-	1	*
	F	-	-	-	-	-	-	1	*	-	-
Agenesis, hypoplasia & dysplasia of lung (748.5)	T	11	3.2	7	2.0	15	4.4	6	1.7	8	2.2
	M	5	*	3	*	6	3.4	5	*	6	3.2
	F	6	3.6	4	*	9	5.4	1	*	2	*
Other & unspecified anomalies of lung & respiratory system (748.6, .8, .9)	T	1	*	-	-	-	-	2	*	2	*
	M	1	*	-	-	-	-	1	*	-	-
	F	-	-	-	-	-	-	1	*	2	*
CLEFT PALATE & CLEFT LIP (749)	T	86	24.7	72	20.8	76	22.1	56	15.8	66	18.2
	M	56	31.1	38	21.5	48	27.2	33	18.1	38	20.5
	F	30	17.8	34	20.1	28	16.8	23	13.4	28	15.7
Cleft palate (749.0)	T	43	12.3	32	9.3	25	7.3	21	5.9	25	6.9
	M	25	13.9	17	9.6	11	6.2	10	5.5	11	5.9
	F	18	10.7	15	8.9	14	8.4	11	6.4	14	7.9
Cleft lip (749.1)	T	10	2.9	13	3.8	23	6.7	18	5.1	13	3.6
	M	9	5.0	6	3.4	16	9.1	12	6.6	8	4.3
	F	1	*	7	4.1	7	4.2	6	3.5	5	*
Cleft palate with cleft lip (749.2)	T	33	9.5	27	7.8	28	8.2	17	4.8	28	7.7
	M	22	12.2	15	8.5	21	11.9	11	6.0	19	10.3
	F	11	6.5	12	7.1	7	4.2	6	3.5	9	5.1
UPPER ALIMENTARY TRACT & DIGESTIVE SYSTEM (750-751)	T	174	49.9	198	57.3	201	58.5	200	56.4	191	52.6
	M	125	69.4	135	76.4	141	79.9	147	80.6	128	69.2
	F	49	29.1	63	37.3	60	35.9	53	30.8	63	35.4
Anomalies of tongue, mouth & pharynx (750.0, .1, .2)	T	6	1.7	5	*	3	*	6	1.7	10	2.8
	M	4	*	5	*	2	*	4	*	5	*
	F	2	*	-	-	1	*	2	*	5	*

1976		1977		1978		1979		1980		1971 - 1980	
No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
-	-	3	*	-	-	1	*	-	-	9	0.2
-	-	1	*	-	-	1	*	-	-	6	0.3
-	-	2	*	-	-	-	-	-	-	3	*
9	2.5	13	3.5	23	6.2	18	4.7	34	8.5	144	4.0
4	*	9	4.8	10	5.2	11	5.6	19	9.3	78	4.2
5	*	4	*	13	7.2	7	3.7	15	7.7	66	3.7
1	*	1	*	2	*	-	-	4	*	13	0.4
-	-	1	*	-	-	-	-	2	*	5	*
1	*	-	-	2	*	-	-	2	*	8	0.5
16	21.2	81	22.1	62	16.7	68	17.7	62	15.5	105	19.4±2.2
41	22.1	50	26.4	36	18.9	38	19.3	28	13.7	406	21.7±3.6
35	20.2	31	17.4	26	14.3	30	16.0	34	17.4	299	16.9±1.5
39	10.9	36	9.8	25	6.7	21	5.5	31	7.8	298	8.2
19	10.2	20	10.6	14	7.3	10	5.1	12	5.9	149	8.0
20	11.6	16	9.0	11	6.1	11	5.9	19	9.7	149	8.4
13	3.6	15	4.1	13	3.5	18	4.7	13	3.3	149	4.1
8	4.3	9	4.8	8	4.2	11	5.6	3	*	90	4.8
5	*	6	3.4	5	*	7	3.7	10	5.1	59	3.3
24	6.7	30	8.2	24	6.4	29	7.5	18	4.5	258	7.1
14	7.6	21	11.1	14	7.3	17	8.6	13	6.4	167	8.9
10	5.8	9	5.1	10	5.5	12	6.4	5	*	91	5.1
189	52.7	204	55.6	225	60.4	253	65.9	265	66.3	2,100	57.8±3.8
129	69.6	121	64.0	153	80.2	160	81.2	197	96.4	1,436	76.9±6.4
60	34.7	83	46.7	72	39.7	93	49.7	68	34.9	664	37.5±4.6
14	3.9	12	3.3	32	8.6	47	12.2	57	14.3	192	5.3
10	5.4	7	3.7	20	10.5	26	13.2	37	18.1	120	6.4
4	*	5	*	12	6.6	21	11.2	20	10.3	72	4.1

Diagnostic Category and ICD Code Number		1971		1972		1973		1974		1975	
		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Tracheo-oesophageal fistula, oesophageal atresia & stenosis (750.3)	T	8	2.3	6	1.7	13	3.8	13	3.7	6	1.7
	M	3	*	3	*	4	*	5	*	4	*
	F	5	*	3	*	9	5.4	8	4.6	2	*
Congenital pyloric stenosis (750.5)	T	96	27.5	109	31.5	111	32.3	125	35.3	100	27.6
	M	80	44.4	83	47.0	91	51.6	103	56.5	76	41.1
	F	16	9.5	26	15.4	20	12.0	22	12.8	24	13.5
Other & unspecified anomalies of upper alimentary tract (750.4, .6, .7, .8, .9)	T	2	*	4	*	6	1.7	2	*	5	*
	M	1	*	4	*	3	*	-	-	1	*
	F	1	*	-	-	3	*	2	*	4	*
Meckel's diverticulum (751.0)	T	10	2.9	8	2.3	5	*	9	2.5	8	2.2
	M	6	3.3	6	3.4	2	*	7	3.8	7	3.8
	F	4	*	2	*	3	*	2	*	1	*
Atresia & stenosis of small intestine (751.2)	T	5	*	9	2.6	6	1.7	8	2.3	6	1.7
	M	2	*	3	*	4	*	4	*	5	*
	F	3	*	6	3.5	2	*	4	*	1	*
Atresia & stenosis of large intestine, rectum & anal canal (751.2)	T	16	4.6	17	4.9	23	6.7	9	2.5	17	4.7
	M	8	4.4	9	5.1	16	9.1	8	4.4	10	5.4
	F	8	4.7	8	4.7	7	4.2	1	*	7	3.9
Hirschsprung's disease (751.3)	T	11	3.2	10	2.9	7	2.0	7	2.0	12	3.3
	M	9	5.0	5	*	5	*	2	*	8	4.3
	F	2	*	5	*	2	*	5	*	4	*
Anomalies of intestinal fixation (751.4)	T	7	2.0	9	2.6	7	2.0	2	*	6	1.7
	M	4	*	3	*	5	*	1	*	2	*
	F	3	*	6	3.5	2	*	1	*	4	*
Other anomalies of intestine (751.5)	T	5	*	14	4.1	16	4.7	16	4.5	17	4.7
	M	4	*	10	5.7	9	5.1	12	6.6	7	3.8
	F	1	*	4	*	7	4.2	4	*	10	5.6
Anomalies of gallbladder, bile ducts & liver (751.6)	T	6	1.7	6	1.7	3	*	3	*	4	*
	M	3	*	3	*	2	*	1	*	3	*
	F	3	*	3	*	1	*	2	*	1	*

1976		1977		1978		1979		1980		1971 - 1980	
No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
12	3.3	11	3.0	9	2.4	14	3.6	13	3.3	105	2.9
5	*	3	*	4	*	6	3.0	9	4.4	46	2.5
7	4.0	8	4.5	5	*	8	4.3	4	*	59	3.3
109	30.4	103	28.1	115	30.9	106	27.6	118	29.5	1,092	30.0
88	47.5	74	39.1	95	49.8	86	43.6	97	47.5	873	46.8
21	12.1	29	16.3	20	11.0	20	10.7	21	10.8	219	12.4
5	*	12	3.3	5	*	11	2.9	5	*	57	1.6
2	*	5	*	1	*	4	*	4	*	25	1.3
3	*	7	3.9	4	*	7	3.7	1	*	32	1.8
8	2.2	3	*	5	*	6	1.6	9	2.3	71	2.0
5	*	2	*	3	*	5	*	5	*	48	2.6
3	*	1	*	2	*	1	*	4	*	23	1.3
6	1.7	8	2.2	5	*	12	3.1	13	3.3	78	2.1
3	*	3	*	2	*	5	*	9	4.4	40	2.1
3	*	5	*	3	*	7	3.7	4	*	38	2.1
17	4.7	17	4.6	17	4.6	14	3.6	14	3.5	161	4.4
8	4.3	10	5.3	9	4.7	6	3.0	11	5.4	95	5.1
9	5.2	7	3.9	8	4.4	8	4.3	3	*	66	3.7
2	*	7	1.9	10	2.7	9	2.3	6	1.5	81	2.2
1	*	5	*	6	3.1	3	*	4	*	48	2.6
1	*	2	*	4	*	6	3.2	2	*	33	1.9
5	*	7	1.9	3	*	7	1.8	7	1.8	60	1.7
3	*	2	*	1	*	4	*	6	2.9	31	1.7
2	*	5	*	2	*	3	*	1	*	29	1.6
6	1.7	12	3.3	18	4.8	16	4.2	18	4.5	138	3.8
3	*	5	*	8	4.2	6	3.0	11	5.4	75	4.0
3	*	7	3.9	10	5.5	10	5.3	7	3.6	63	3.6
4	*	8	2.2	4	*	9	2.3	5	*	52	1.4
1	*	3	*	3	*	8	4.1	4	*	31	1.7
3	*	5	*	1	*	1	*	1	*	21	1.2

Diagnostic Category and ICD Code Number		1971		1972		1973		1974		1975	
		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Anomalies of pancreas (751.7)	T	1	*	1	*	-	-	-	-	-	-
	M	-	-	1	*	-	-	-	-	-	-
	F	1	*	-	-	-	-	-	-	-	-
Other & unspecified anomalies of digestive system (751.8, .9)	T	1	*	-	-	1	*	-	-	-	-
	M	1	*	-	-	-	-	-	-	-	-
	F	-	-	-	-	1	*	-	-	-	-
GENITAL ORGANS (752)	T	249	71.4	263	76.1	253	73.6	268	75.6	299	82.4
	M	234	130.0	250	141.6	235	133.2	253	138.8	283	153.0
	F	15	8.9	13	7.7	18	10.8	15	8.7	16	9.0
Anomalies of ovaries, fallopian tubes & uterus (752.0-.3)	T	1	*	-	-	1	*	3	*	-	-
	M	-	-	-	-	-	-	-	-	-	-
	F	1	*	-	-	1	*	3	*	-	-
Anomalies of cervix, vagina and external genitalia (752.4)	T	10	2.9	9	2.6	14	4.1	9	2.5	14	3.9
	M	-	-	-	-	-	-	-	-	-	-
	F	10	5.9	9	5.3	14	8.4	9	5.2	14	7.9
Undescended testicle (752.5)	T	129	37.0	142	41.1	138	40.2	173	48.8	165	45.5
	M	129	71.7	142	80.4	138	78.2	173	94.9	165	89.2
	F	-	-	-	-	-	-	-	-	-	-
Hypospadias & epispadias (752.6)	T	89	25.5	92	26.6	82	23.9	68	19.2	100	27.6
	M	89	49.4	92	52.1	82	46.5	68	37.3	99	53.5
	F	-	-	-	-	-	-	-	-	1	*
Indeterminate sex & pseudohermaphroditism (752.7)	T	6	1.7	6	1.7	3	*	3	*	1	*
	M	3	*	3	*	-	-	1	*	1	*
	F	3	*	3	*	3	*	2	*	-	
Other & unspecified anomalies of genital organs (752.8[1], .9)	T	13	3.7	14	4.1	15	4.4	12	3.4	19	5.2
	M	13	7.2	13	7.4	15	8.5	11	6.0	18	9.7
	F	-	-	1	*	-	-	1	*	1	*

1. Includes congenital hydrocele for 1980 births.

1976		1977		1978		1979		1980		1971 - 1980	
No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1	*	4	*	1	*	1	*	-	-	9	0.2
-	-	2	*	-	-	-	-	-	-	3	*
1	*	2	*	1	*	1	*	-	-	6	0.3
-	-	-	-	1	*	-	-	-	-	3	*
-	-	-	-	1	*	-	-	-	-	2	*
-	-	-	-	-	-	-	-	-	-	1	*
280	78.1	241	65.7	222	59.6	232	60.4	336	84.1	2,643	72.7± 6.0
258	139.2	222	117.4	215	112.7	216	109.6	310	151.7	2,476	132.6±11.0
22	12.7	19	10.7	7	3.9	16	8.6	26	13.3	167	9.4± 1.9
2	*	-	-	-	-	2	*	8	2.0	17	0.5
-	-	-	-	-	-	-	-	-	-	-	-
2	*	-	-	-	-	2	*	8	4.1	17	1.0
16	4.5	13	3.5	3	*	13	3.4	14	3.5	115	3.2
-	-	-	-	-	-	-	-	-	-	-	-
16	9.2	13	7.3	3	*	13	6.9	14	7.2	115	6.5
161	44.9	117	31.9	109	29.3	94	24.5	100	25.0	1,328	36.5
161	86.8	117	61.9	109	57.1	94	47.7	100	48.9	1,328	71.1
-	-	-	-	-	-	-	-	-	-	-	-
82	22.9	88	24.0	87	23.4	89	23.2	99	24.8	876	24.1
80	43.1	87	46.0	87	45.6	89	45.2	98	48.0	871	46.7
2	*	1	*	-	-	-	-	1	*	5	*
2	*	4	*	5	*	3	*	3	*	36	1.0
1	*	1	*	2	*	2	*	-	-	14	0.7
1	*	3	*	3	*	1	*	3	*	22	1.2
17	4.7	19	5.2	18	4.8	31	8.1	112	28.0	270	7.4
16	8.6	17	9.0	17	8.9	31	15.7	111	54.3	262	14.0
1	*	2	*	1	*	-	-	1	*	8	0.5

Diagnostic Category and ICD Code Number		1971		1972		1973		1974		1975	
		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
URINARY SYSTEM (753)	T	131	37.6	123	35.6	134	39.0	103	29.1	98	27.0
	M	68	37.8	67	37.9	68	38.5	58	31.8	57	30.8
	F	63	37.4	56	33.1	66	39.5	45	26.1	41	23.0
Renal agenesis & dysgenesis (753.0)	T	13	3.7	11	3.2	14	4.1	10	2.8	6	1.7
	M	6	3.3	9	5.1	5	*	10	5.5	4	*
	F	7	4.2	2	*	9	5.4	-	-	2	*
Cystic kidney disease (753.1)	T	5	*	9	2.6	13	3.8	7	2.0	4	*
	M	2	*	5	*	9	5.1	4	*	3	*
	F	3	*	4	*	4	*	3	*	1	*
Obstructive defects of renal pelvis & ureter (753.2)	T	31	8.9	35	10.1	27	7.9	28	7.9	27	7.4
	M	15	8.3	24	13.6	12	6.8	12	6.6	13	7.0
	F	16	9.5	11	6.5	15	9.0	16	9.3	14	7.9
Other specified anomalies of kidney & ureter (753.3, .4)	T	33	9.5	32	9.3	30	8.7	26	7.3	27	7.4
	M	9	5.0	8	4.5	9	5.1	8	4.4	9	4.9
	F	24	14.2	24	14.2	21	12.6	18	10.5	18	10.1
Exstrophy of urinary bladder (753.5)	T	3	*	2	*	-	-	3	*	-	-
	M	1	*	1	*	-	-	1	*	-	-
	F	2	*	1	*	-	-	2	*	-	-
Atresia & stenosis of urethra & bladder neck (753.6)	T	34	9.8	25	7.2	38	11.1	23	6.5	18	5.0
	M	28	15.6	17	9.6	26	14.7	19	10.4	15	8.1
	F	6	3.6	8	4.7	12	7.2	4	*	3	*
Other specified anomalies of urachus, bladder & urethra (753.7, .8)	T	8	2.3	6	1.7	11	3.2	4	*	10	2.8
	M	6	3.3	2	*	7	4.0	3	*	9	4.9
	F	2	*	4	*	4	*	1	*	1	*
Unspecified anomalies of system (753.9)	T	4	*	3	*	1	*	2	*	6	1.7
	M	1	*	1	*	-	-	1	*	4	*
	F	3	*	2	*	1	*	1	*	2	*

1976		1977		1978		1979		1980		1971 - 1980	
No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
74	20.6	75	20.4	67	18.0	64	16.7	55	13.8	924	25.4±6.4
44	23.7	43	22.7	33	17.3	38	19.3	30	14.7	506	27.1±6.4
30	17.3	32	18.0	34	18.7	26	13.9	25	12.8	418	23.6±6.8
8	2.2	13	3.5	13	3.5	9	2.3	9	2.3	106	2.9
6	3.2	9	4.8	7	3.7	4	*	5	*	65	3.5
2	*	4	*	6	3.3	5	*	4	*	41	2.3
10	2.8	8	2.2	9	2.4	9	2.3	4	*	78	2.1
5	*	5	*	5	*	5	*	2	*	45	2.4
5	*	3	*	4	*	4	*	2	*	33	1.9
23	6.4	15	4.1	16	4.3	17	4.4	10	2.5	229	6.3
12	6.5	8	4.2	8	4.2	8	4.1	7	3.4	119	6.4
11	6.4	7	3.9	8	4.4	9	4.8	3	*	110	6.2
17	4.7	19	5.2	18	4.8	13	3.4	12	3.0	227	6.2
8	4.3	7	3.7	6	3.1	7	3.6	3	*	74	4.0
9	5.2	12	6.7	12	6.6	6	3.2	9	4.6	153	8.6
-	-	2	*	1	*	-	-	-	-	11	0.3
-	-	1	*	-	-	-	-	-	-	4	*
-	-	1	*	1	*	-	-	-	-	7	0.4
11	3.1	9	2.5	3	*	9	2.3	9	2.3	179	4.9
9	4.9	6	3.2	2	*	9	4.6	9	4.4	140	7.5
2	*	3	*	1	*	-	-	-	-	39	2.2
5	*	7	1.9	6	1.6	6	1.6	5	*	68	1.9
4	*	6	3.2	5	*	4	*	2	*	48	2.6
1	*	1	*	1	*	2	*	3	*	20	1.1
-	-	2	*	1	*	1	*	6	1.5	26	0.7
-	-	1	*	-	-	1	*	2	*	11	0.6
-	-	1	*	1	*	-	-	4	*	15	0.8

Diagnostic Category and ICD Code Number		1971		1972		1973		1974		1975	
		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
MUSCULOSKELETAL SYSTEM (754-756)	T	553	158.7	582	168.4	624	181.6	647	182.5	680	187.4
	M	272	151.1	275	155.7	278	157.6	292	160.2	319	172.5
	F	281	166.8	307	181.6	346	207.0	355	206.1	361	202.9
Anomalies of skull, face & jaw (754.0)	T	5	*	7	2.0	8	2.3	7	2.0	11	3.0
	M	1	*	7	4.0	6	3.4	5	*	7	3.8
	F	4	*	-	-	2	*	2	*	4	*
Anomalies of sternocleidomastoid muscle (754.1)	T	-	-	-	-	2	*	1	*	1	*
	M	-	-	-	-	2	*	-	-	-	-
	F	-	-	-	-	-	-	1	*	1	*
Anomalies of spine (754.2)	T	4	*	5	*	4	*	4	*	3	*
	M	2	*	3	*	2	*	-	-	1	*
	F	2	*	2	*	2	*	4	*	2	*
Congenital dislocation of hip (754.3)[1]	T	115	33.0	147	42.5	136	39.6	146	41.2	160	44.1
	M	24	13.3	32	18.1	21	11.9	25	13.7	36	19.5
	F	91	54.0	115	68.0	115	68.8	121	70.3	124	69.7
Congenital dislocatable hip (754.9)[2]	T	3	*	5	*	7	2.0	5	*	22	6.1
	M	2	*	1	*	3	*	-	-	2	*
	F	1	*	4	*	4	*	5	*	20	11.2
Clubfoot (754.5, .6, .7)	T	206	59.1	240	69.4	229	66.7	229	64.6	265	73.0
	M	116	64.4	131	74.2	118	66.9	119	65.3	146	79.0
	F	90	53.4	109	64.5	111	66.4	110	63.9	119	66.9
Other specified musculoskeletal anomalies (754.4, .8)	T	15	4.3	12	3.5	14	4.1	18	5.1	11	3.0
	M	14	7.8	6	3.4	7	4.0	12	6.6	6	3.2
	F	1	*	6	3.5	7	4.2	6	3.5	5	*
Polydactyly (755.0)	T	48	13.8	34	9.8	34	9.9	39	11.0	33	9.1
	M	28	15.6	19	10.8	21	11.9	21	11.5	19	10.3
	F	20	11.9	15	8.9	13	7.8	18	10.5	14	7.9
Syndactyly (755.1)	T	29	8.3	25	7.2	28	8.2	37	10.4	30	8.3
	M	20	11.1	17	9.6	17	9.6	21	11.5	22	11.9
	F	9	5.3	8	4.7	11	6.6	16	9.3	8	4.5

1. Registry adaptation of code (excludes subluxatable/dislocatable hip).

2. Special Registry code.

1976		1977		1978		1979		1980		1971 - 1980	
No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
747	208.4	712	194.1	808	217.0	810	210.8	866	216.8	7,029	193.3±14.3
361	194.7	327	172.9	377	197.6	345	175.0	389	190.3	3,235	173.3±11.8
386	223.0	385	216.5	431	237.5	465	248.6	477	244.5	3,794	214.4±18.5
11	3.1	17	4.6	15	4.0	31	8.1	22	5.5	134	3.7
5	*	10	5.3	9	4.7	14	7.1	9	4.4	73	3.9
6	3.5	7	3.9	6	3.3	17	9.1	13	6.7	61	3.4
-	-	-	-	1	*	1	*	3	*	9	0.2
-	-	-	-	-	-	1	*	2	*	5	*
-	-	-	-	1	*	-	-	1	*	4	*
4	*	2	*	-	-	4	*	4	*	34	0.9
2	*	1	*	-	-	1	*	2	*	14	0.7
2	*	1	*	-	-	3	*	2	*	20	1.1
154	43.0	175	47.7	200	53.7	178	46.3	168	42.1	1,579	43.4
37	20.0	40	21.2	59	30.9	47	23.8	47	23.0	368	19.7
117	67.6	135	75.9	141	77.7	131	70.0	121	62.0	1,211	68.4
18	5.0	25	6.8	49	13.2	90	23.4	141	35.3	365	10.0
2	*	5	*	14	7.3	25	12.7	44	21.5	98	5.2
16	9.2	20	11.2	35	19.3	65	34.7	97	49.7	267	15.1
266	74.2	241	65.7	267	71.7	252	65.6	280	70.1	2.475	68.1
140	75.5	129	68.2	145	76.0	125	63.4	138	67.5	1,307	70.0
126	72.8	112	63.0	122	67.2	127	67.9	142	72.8	1,168	66.0
19	5.3	8	2.2	12	3.2	11	2.9	12	3.0	132	3.6
12	6.5	5	*	5	*	7	3.6	9	4.4	83	4.4
7	4.0	3	*	7	3.9	4	*	3	*	49	2.8
43	12.0	47	12.8	47	12.6	37	9.6	46	11.5	408	11.2
30	16.2	28	14.8	26	13.6	16	8.1	23	11.3	231	12.4
13	7.5	19	10.7	21	11.6	21	11.2	23	11.8	177	10.0
45	12.6	37	10.1	27	7.3	36	9.4	22	5.5	316	8.7
33	17.8	29	15.3	18	9.4	23	11.7	18	8.8	218	11.7
12	6.9	8	4.5	9	5.0	13	6.9	4	*	98	5.5

Diagnostic Category and ICD Code Number		1971		1972		1973		1974		1975	
		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Reduction deformities of upper limb (755.2)	T	16	4.6	11	3.2	13	3.8	14	3.9	19	5.2
	M	6	3.3	7	4.0	4	*	6	3.3	15	8.1
	F	10	5.9	4	*	9	5.4	8	4.6	4	*
Reduction deformities of lower limb (755.3)	T	3	*	7	2.0	10	2.9	8	2.3	4	*
	M	1	*	3	*	5	*	6	3.3	2	*
	F	2	*	4	*	5	*	2	*	2	*
Reduction deformities, unspecified limb (755.4)	T	-	-	-	-	-	-	-	-	-	-
	M	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-
Other anomalies of upper limb, including shoulder girdle (755.5)	T	13	3.7	6	1.7	7	2.0	10	2.8	8	2.2
	M	8	4.4	3	*	6	3.4	7	3.8	4	*
	F	5	*	3	*	1	*	3	*	4	*
Other anomalies of lower limb, including pelvic girdle (755.6)	T	15	4.3	10	2.9	31	9.0	30	8.5	31	8.5
	M	10	5.6	6	3.4	11	6.2	17	9.3	11	5.9
	F	5	*	4	*	20	12.0	13	7.5	20	11.2
Arthrogryposis multiplex congenita (755.8)	T	-	-	2	*	2	*	2	*	3	*
	M	-	-	-	-	1	*	-	-	1	*
	F	-	-	2	*	1	*	2	*	2	*
Unspecified anomalies of unspecified limb (755.9)	T	1	*	-	-	-	-	-	-	-	-
	M	1	*	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-
Anomalies of skull & face bones (756.0)	T	19	5.5	22	6.4	32	9.3	30	8.5	18	5.0
	M	10	5.6	13	7.4	21	11.9	17	9.3	12	6.5
	F	9	5.3	9	5.3	11	6.6	13	7.5	6	3.4
Anomalies of spine (756.1)	T	8	2.3	3	*	4	*	7	2.0	6	1.7
	M	3	*	3	*	2	*	2	*	3	*
	F	5	*	-	-	2	*	5	*	3	*
Anomalies of ribs & sternum (756.2, .3)	T	4	*	2	*	2	*	4	*	2	*
	M	3	*	1	*	1	*	1	*	2	*
	F	1	*	1	*	1	*	3	*	-	-

1976		1977		1978		1979		1980		1971 - 1980	
No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
19	5.3	18	4.9	18	4.8	20	5.2	15	3.8	163	4.5
11	5.9	14	7.4	9	4.7	11	5.6	7	3.4	90	4.8
8	4.6	4	*	9	5.0	9	4.8	8	4.1	73	4.1
19	5.3	8	2.2	12	3.2	10	2.6	6	1.5	87	2.4
9	4.9	4	*	8	4.2	7	3.6	5	*	50	2.7
10	5.8	4	*	4	*	3	*	1	*	37	2.1
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
12	3.3	12	3.3	11	3.0	14	3.6	9	2.3	102	2.8
7	3.8	9	4.8	5	*	4	*	6	2.9	59	3.2
5	*	3	*	6	3.3	10	5.3	3	*	43	2.4
41	11.4	27	7.4	37	9.9	46	12.0	38	9.5	306	8.4
21	11.3	9	4.8	19	10.0	19	9.6	22	10.8	145	7.8
20	11.6	18	10.1	18	9.9	27	14.4	16	8.2	161	9.1
2	*	2	*	5	*	8	2.1	3	*	29	0.8
2	*	1	*	4	*	4	*	3	*	16	0.9
-	-	1	*	1	*	4	*	-	-	13	0.7
1	*	3	*	14	3.8	2	*	-	-	21	0.6
1	*	2	*	6	3.1	-	-	-	-	10	0.5
-	-	1	*	8	4.4	2	*	-	-	11	0.6
32	8.9	27	7.4	23	6.2	24	6.2	48	12.0	275	7.6
20	10.8	13	6.9	11	5.8	19	9.6	26	12.7	162	8.7
12	6.9	14	7.9	12	6.6	5	*	22	11.3	113	6.4
8	2.2	3	*	7	1.9	6	1.6	8	2.0	60	1.7
2	*	2	*	5	*	2	*	6	2.9	30	1.6
6	3.5	1	*	2	*	4	*	2	*	30	1.7
1	*	3	*	2	*	2	*	1	*	23	0.6
-	-	1	*	1	*	1	*	1	*	12	0.6
1	*	2	*	1	*	1	*	-	-	11	0.6

Diagnostic Category and ICD Code Number		1971		1972		1973		1974		1975	
		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Chondrodystrophy (756.4). . .	T	3	*	9	2.6	6	1.7	1	*	2	*
	M	1	*	5	*	2	*	1	*	2	*
	F	2	*	4	*	4	*	-	-	-	-
Osteodystrophies (756.5). . .	T	6	1.7	2	*	9	2.6	3	*	3	*
	M	3	*	1	*	4	*	-	-	2	*
	F	3	*	1	*	5	*	3	*	1	*
Anomalies of diaphragm. . . . (756.6)	T	10	2.9	11	3.2	15	4.4	14	3.9	11	3.0
	M	4	*	7	4.0	5	*	12	6.6	6	3.2
	F	6	3.6	4	*	10	6.0	2	*	5	*
Anomalies of abdominal. . . . wall (756.7)[1]	T	15	4.3	9	2.6	11	3.2	19	5.4	17	4.7
	M	6	3.3	5	*	9	5.1	12	6.6	11	5.9
	F	9	5.3	4	*	2	*	7	4.1	6	3.4
Other & unspecified . . . . . anomalies of musculo- skeletal system (756.8, .9)	T	15	4.3	13	3.8	20	5.8	19	5.4	20	5.5
	M	9	5.0	5	*	10	5.7	8	4.4	9	4.9
	F	6	3.6	8	4.7	10	6.0	11	6.4	11	6.2
INTEGUMENT (757).	T	68	19.5	51	14.8	47	13.7	46	13.0	72	19.8
	M	29	16.1	18	10.2	18	10.2	27	14.8	41	22.2
	F	39	23.1	33	19.5	29	17.4	19	11.0	31	17.4
Anomalies of skin, hair,. . . nails & breast (757.0-.9, exclu ing 757.3)	T	6	1.7	4	*	7	2.0	5	*	11	3.0
	M	2	*	1	*	3	*	4	*	9	4.9
	F	4	*	3	*	4	*	1	*	2	*
Other specified anomalies . . of skin (757.3)[2]	T	62	17.8	47	13.6	40	11.6	41	11.6	61	16.8
	M	27	15.0	17	9.6	15	8.5	23	12.6	32	17.3
	F	35	20.8	30	17.7	25	15.0	18	10.5	29	16.3

1. Includes omphalocele (special adaptation of ICD code).

2. Includes hemangioma of skin and hemangioma NOS (special adaptation of ICD code).

1975		1977		1978		1979		1980		1971 - 1980	
No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
3	*	4	*	5	*	3	*	4	*	40	1.1
2	*	3	*	2	*	2	*	2	*	22	1.2
1	*	1	*	3	*	1	*	2	*	18	1.0
4	*	6	1.6	3	*	4	*	4	*	44	1.2
3	*	2	*	2	*	2	*	2	*	21	1.2
1	*	4	*	1	*	2	*	2	*	23	1.2
13	3.6	19	5.2	21	5.6	6	1.6	13	3.3	133	3.7
6	3.2	9	4.8	13	6.8	3	*	7	3.4	72	3.9
7	4.0	10	5.6	8	4.4	3	*	6	3.1	61	3.4
14	3.9	9	2.5	12	3.2	14	3.6	8	2.0	128	3.5
9	4.9	1	*	5	*	8	4.1	7	3.4	73	3.9
5	*	8	4.5	7	3.9	6	3.2	1	*	55	3.1
18	5.0	19	5.2	20	5.4	11	2.9	10	2.5	165	4.5
7	3.8	11	5.8	11	5.8	4	*	2	*	76	4.1
11	6.4	8	4.5	9	5.0	7	3.7	8	4.1	89	5.0
65	18.1	85	23.2	87	23.4	127	33.1	174	43.6	822	22.6±6.7
35	18.9	36	19.0	46	24.1	64	32.5	90	44.0	404	21.6±7.3
30	17.3	49	27.6	41	22.6	63	33.7	84	43.1	418	23.6±6.6
7	2.0	10	2.7	19	5.1	27	7.0	22	5.5	118	3.2
6	3.2	4	*	13	6.8	20	10.1	18	8.8	80	4.3
1	*	6	3.4	6	3.3	7	3.7	4	*	38	2.1
58	16.2	75	20.4	68	18.3	100	26.0	152	38.1	704	19.4
29	15.6	32	16.9	33	17.3	44	22.3	72	35.2	324	17.4
29	16.8	43	24.2	35	19.3	56	29.9	80	41.0	380	21.5

Diagnostic Category and ICD Code Number		1971		1972		1973		1974		1975	
		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
CHROMOSOMAL ANOMALIES (758)	T	42	12.1	53	15.3	45	13.1	40	11.3	43	11.9
	M	18	10.0	32	18.1	28	15.9	21	11.5	23	12.4
	F	24	14.2	21	12.4	17	10.2	19	11.0	20	11.2
Down's syndrome (trisomy 21 or 22) (758.0)	T	27	7.7	46	13.3	37	10.8	29	8.2	34	9.4
	M	13	7.2	31	17.6	22	12.5	19	10.4	20	10.8
	F	14	8.3	15	8.9	15	9.0	10	5.8	14	7.9
Patau's syndrome (trisomy 13) (758.1)[1]	T	5	*	1	*	2	*	2	*	2	*
	M	2	*	-	-	2	*	1	*	-	-
	F	3	*	1	*	-	-	1	*	2	*
Edward's syndrome (trisomy 18) (758.2)	T	7	2.0	2	*	2	*	4	*	2	*
	M	1	*	-	-	2	*	-	-	1	*
	F	6	3.6	2	*	-	-	4	*	1	*
Deletion syndromes (758.3)	T	-	-	-	-	1	*	1	*	1	*
	M	-	-	-	-	1	*	1	*	1	*
	F	-	-	-	-	-	-	-	-	-	-
Other conditions due to autosomal anomalies (758.4, .5)	T	-	-	3	*	-	-	2	*	1	*
	M	-	-	-	-	-	-	-	-	-	-
	F	-	-	3	*	-	-	2	*	1	*
Gonadal dysgenesis (758.6)	T	2	*	-	-	1	*	1	*	2	*
	M	1	*	-	-	-	-	-	-	1	*
	F	1	*	-	-	1	*	1	*	1	*
Klinefelter's syndrome (758.7)	T	1	*	1	*	-	-	-	-	-	-
	M	1	*	1	*	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-
Other & unspecified chromosomal anomalies (758.8, .9)	T	-	-	-	-	2	*	1	*	1	*
	M	-	-	-	-	1	*	-	-	-	-
	F	-	-	-	-	1	*	1	*	1	*

1. See notes, page 27

1976		1977		1978		1979		1980		1971 - 1980	
No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
51	14.2	47	12.8	56	15.0	69	18.0	59	14.8	505	13.9±1.4
26	14.0	15	7.9	31	16.2	36	18.3	24	11.7	254	13.6±2.5
25	14.4	32	18.0	25	13.8	33	17.6	35	17.9	251	14.2±2.0
41	11.4	31	8.4	46	12.4	47	12.2	42	10.5	380	10.5
23	12.4	10	5.3	27	14.1	28	14.2	15	7.3	208	11.1
18	10.4	21	11.8	19	10.5	19	10.2	27	13.8	172	9.7
3	*	3	*	1	*	2	*	-	-	21	0.6
2	*	2	*	-	-	1	*	-	-	10	0.5
1	*	1	*	1	*	1	*	-	-	11	0.6
4	*	5	*	1	*	9	2.3	8	2.0	44	1.2
-	-	2	*	-	-	4	*	4	*	14	0.7
4	*	3	*	1	*	5	*	4	*	30	1.7
1	*	1	*	3	*	3	*	6	1.5	17	0.5
-	-	-	-	1	*	1	*	4	*	9	0.5
1	*	1	*	2	*	2	*	2	*	8	0.5
1	*	1	*	3	*	2	*	-	-	13	0.4
-	-	-	-	2	*	-	-	-	-	2	*
1	*	1	*	1	*	2	*	-	-	11	0.6
1	*	5	*	1	*	3	*	2	*	18	0.5
1	*	-	-	-	-	-	-	-	-	3	*
-	-	5	*	1	*	3	*	2	*	15	0.8
-	-	1	*	-	-	1	*	1	*	5	*
-	-	1	*	-	-	1	*	1	*	5	*
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	1	*	2	*	-	-	7	0.2
-	-	-	-	1	*	1	*	-	-	3	*
-	-	-	-	-	-	1	*	-	-	4	*

Diagnostic Category and ICD Code Number		1971		1972		1973		1974		1975	
		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
OTHER & UNSPECIFIED CONGENITAL ANOMALIES (759)	T	23	6.6	19	5.5	21	6.1	40	11.3	36	9.9
	M	9	5.0	9	5.1	10	5.7	21	11.5	11	5.9
	F	14	8.3	10	5.9	11	6.6	19	11.0	25	14.1
Anomalies of spleen (759.0)	T	1	*	1	*	-	-	3	*	6	1.7
	M	1	*	1	*	-	-	2	*	1	*
	F	-	-	-	-	-	-	1	*	5	*
Anomalies of adrenal gland (759.1)	T	1	*	4	*	2	*	2	*	1	*
	M	1	*	2	*	2	*	2	*	1	*
	F	-	-	2	*	-	-	-	-	-	-
Anomalies of other endocrine glands (759.2)	T	9	2.6	5	*	5	*	11	3.1	11	3.0
	M	4	*	3	*	2	*	8	4.4	6	3.2
	F	5	*	2	*	3	*	3	*	5	*
Situs inversus (759.3)	T	2	*	4	*	1	*	3	*	5	*
	M	-	-	1	*	-	-	1	*	1	*
	F	2	*	3	*	1	*	2	*	4	*
Conjoined twins (759.4)	T	-	-	-	-	-	-	2	*	2	*
	M	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	2	*	2	*
Tuberous sclerosis (759.5)	T	2	*	2	*	3	*	-	-	1	*
	M	-	-	1	*	1	*	-	-	-	-
	F	2	*	1	*	2	*	-	-	1	*
Other hamartoses NEC (759.6)	T	-	-	1	*	1	*	3	*	1	*
	M	-	-	-	-	1	*	-	-	-	-
	F	-	-	1	*	-	-	3	*	1	*
Multiple congenital anomalies, so described (759.7)	T	2	*	-	-	2	*	3	*	2	*
	M	-	-	-	-	1	*	1	*	-	-
	F	2	*	-	-	1	*	2	*	2	*
Other & unspecified congenital anomalies (759.8, .9)	T	6	1.7	2	*	7	2.0	13	3.7	7	1.9
	M	3	*	1	*	3	*	7	3.8	2	*
	F	3	*	1	*	4	*	6	3.5	5	*

1976		1977		1978		1979		1980		1971 - 1980	
No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
26	7.3	37	10.1	30	8.1	31	8.1	28	7.0	291	8.0±1.3
17	9.2	22	11.6	15	7.9	23	11.7	15	7.3	152	8.1±2.1
9	5.2	15	8.4	15	8.3	8	4.3	13	6.7	139	7.9±2.0
2	*	2	*	4	*	6	1.6	4	*	29	0.8
1	*	1	*	3	*	4	*	3	*	17	0.9
1	*	1	*	1	*	2	*	1	*	12	0.7
2	*	2	*	2	*	4	*	3	*	23	0.6
2	*	1	*	-	-	3	*	3	*	17	0.9
-	-	1	*	2	*	1	*	-	-	6	0.3
10	2.8	10	2.7	3	*	5	*	1	*	70	1.9
6	3.2	4	*	2	*	4	*	1	*	40	2.1
4	*	6	3.4	1	*	1	*	-	-	30	1.7
1	*	3	*	-	-	4	*	-	-	23	0.6
-	-	3	*	-	-	3	*	-	-	9	0.5
1	*	-	-	-	-	1	*	-	-	14	0.8
-	-	2	*	4	*	-	-	1	*	11	0.3
-	-	2	*	-	-	-	-	-	-	2	*
-	-	-	-	4	*	-	-	1	*	9	0.5
1	*	5	*	3	*	2	*	-	-	19	0.5
1	*	3	*	1	*	2	*	-	-	9	0.5
-	-	2	*	2	*	-	-	-	-	10	0.6
2	*	1	*	4	*	2	*	5	*	20	0.6
2	*	-	-	3	*	2	*	2	*	10	0.5
-	-	1	*	1	*	-	-	3	*	10	0.6
1	*	-	-	1	*	3	*	4	*	18	0.5
1	*	-	-	-	-	1	*	2	*	6	0.3
-	-	-	-	1	*	2	*	2	*	12	0.7
7	2.0	12	3.3	9	2.4	5	*	10	2.5	78	2.1
4	*	8	4.2	6	3.1	4	*	4	*	42	2.2
3	*	4	*	3	*	1	*	6	3.1	36	2.0

Diagnostic Category and ICD Code Number		1971		1972		1973		1974		1975	
		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
TOTAL CONGENITAL	T	1,942	557.2	2,069	598.6	2,013	586.0	2,003	565.0	2,138	589.3
ANOMALIES IN LIVEBORN	M	1,123	623.8	1,188	672.7	1,167	661.6	1,171	642.4	1,225	662.4
CASES (740-759)	F	819	486.1	881	521.2	846	506.2	832	483.1	913	513.2
NUMBER OF LIVEBIRTHS IN. .	T	34,852		34,563		34,352		35,450		36,281	
BRITISH COLUMBIA	M	18,003		17,660		17,640		18,228		18,492	
	F	16,849		16,903		16,712		17,222		17,789	

1976		1977		1978		1979		1980		1971 - 1980	
No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
2,222	619.8	2,189	596.6	2,318	622.6	2,367	616.1	2,610	653.4	21,871	601.5±20.1
1,316	709.8	1,205	637.3	1,325	694.4	1,292	655.5	1,483	725.6	12,495	669.2±22.8
906	523.5	984	553.4	993	547.1	1,075	574.7	1,127	577.7	9,376	529.9±23.5
35,848		36,691		37,231		38,418		39,947		363,633	
18,541		18,909		19,082		19,711		20,437		186,703	
17,307		17,782		18,149		18,707		19,510		176,930	

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ADDENDUM

In addition to the papers shown above, a number of published theses have utilized data from the Health Surveillance Registry. Information regarding these theses may be obtained from the Registry or from the Department of Medical Genetics, University of British Columbia.